

IN TWO SECTIONS—SECTION TWO

Transactions of the ASME

SOCIETY RECORDS

(Including Indexes to Publications for 1957)

Where You Will Find the ASME Transactions in United States and Territories	SR-93
In Other Countries	SR-95
Indexes to ASME Papers and Publications	SR-97
Regular Society Publications, 1957	SR-97
Publications Issued in 1957	SR-97
How to Find Papers Presented at 1957 ASME Meetings	SR-97
Publications Developed by the Technical Committees	SR-97
Books and Pamphlets	SR-99
Biographies	SR-99
Periodicals	SR-100
ASME Miscellaneous Papers, 1956	SR-101
Index to <i>Mechanical Engineering</i> , 1957	SR-105
Index to Transactions of the ASME, 1957	SR-133
Index to the <i>Journal of Applied Mechanics</i> , 1957	SR-147

TRANSACTIONS OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

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 Newark College of Engineering Library
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 Paterson..... Public Library
 Princeton..... Princeton University
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 Trenton..... *Public Library

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 Mech. Engrg. Dept. Library
 State College..... New Mexico College of Arts
 College Library and
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Public Library
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University of Dayton
Mech. Engrg. Dept.
Toledo.....*Public Library
University of Toledo Library
Youngstown.....Public Library
Youngstown University

Oklahoma

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College of Engrg. Library
Oklahoma City...Public Library
Stillwater.....Oklahoma A & M College
Engrg. Library
Tulsa.....*Public Library
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Engrg. & Technology Room—College
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Portland.....*Portland Library Association

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Philadelphia.....Drexel Institute Library
*The Franklin Institute
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Library
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Science-Technology Library and
Mech. Engrg. Dept. Library
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Scranton.....Public Library
State College....Pennsylvania State University
Carnegie Library
Swarthmore.....Swarthmore College
Div. of Engrg. Library
Villanova.....Villanova University
Reference Room, Engrg. Library

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- Mayaguez.....University of Puerto Rico

Rhode Island

- Kingston.....The University of Rhode Island
Library and Mech. Engrg. Dept.
Providence.....Brown University
Physical Science Library
Providence Engineering Society
*Public Library

South Carolina

- Clemson College..Clemson Agricultural College
Central Library
Columbia.....University of South Carolina
McKissick Memorial Library

South Dakota

- Brookings.....South Dakota State College Library
Rapid City.....South Dakota School of Mines and Tech-
nology, Mech. Engrg. Dept. Library

Tennessee

- Knoxville.....University of Tennessee
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Memphis.....Goodwin Institute
Nashville.....Joint University Libraries
Engineering & Science Section

Texas

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Engineering Library
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Engrg. Library and
Mech. Engrg. Dept. Library
Dallas.....*Public Library
Southern Methodist University Library
El Paso.....Public Library
Fort Worth.....Carnegie Public Library
Houston.....Public Library
Rice Institute Fondern Library
Lubbock.....Texas Technological College Library

Utah

- Salt Lake City...University of Utah
Engrg. & Physical Science Section, of
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Virginia

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Washington

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Tacoma.....Public Library

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Wisconsin

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Milwaukee.....Marquette University
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Wyoming

- Laramie.....Wyoming University Library
Mech. Engrg. Dept.

IN OTHER COUNTRIES

Argentina

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Facultad de Ciencias Exactas, Fisicas y
Naturales

Australia

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Brisbane.....University of Queensland
Canberra.....Australian National University
Melbourne.....Public Library of Victoria
University of Melbourne

Australia (continued)

- Perth.....University of Western Australia Library
 Sydney.....Public Library of Sydney
 Public Library of New South Wales
 Sydney Technical College
 University of Sydney
 Wollongong.....Wollongong Technical College

Austria

- Vienna.....Documentation Center of Technology
 Technische Hochschule

Belgium

- Louvain.....Library, University Louvain

Brazil

- Rio de Janeiro...Bibliotheca da Escola Polytechnica
 Secao de Permua Internacional
 São Paulo.....Bibliotheca da Escola Polytechnica
 Centro Technico de Aeronautica

Burma

- Rangoon.....University of Rangoon

Canada

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 McGill University
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 Saskatchewan...University of Saskatchewan
 Toronto.....University of Toronto
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 Winnipeg.....University of Manitoba

Chile

- Santiago.....Universidad de Chile, Facultad de Ciencias
 Fisicas y Matematicas

Cuba

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England

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 Cambridge.....University of Cambridge
 Coventry.....Gulson Central Library
 Hants.....Southampton University
 Leeds.....University of Leeds
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 London.....City and Guild Engineering College
 Institute of Marine Engineers
 Institution of Civil Engineers
 Institution of Electrical Engineers
 Institution of Mechanical Engineers
 Iron and Steel Institution
 Junior Institution of Engineers
 Patent Office Library
 Royal Aeronautical Society
 Science Museum Library
 Manchester.....Manchester Public Libraries
 College of Technology
 University of Manchester
 Newcastle-upon-
 Tyne.....The North-East Coast Institution of Engi-
 neers and Shipbuilders
 Oxford.....Oxford University
 Sheffield.....Sheffield Public Libraries

France

- Paris.....Écoles Nationales des Arts et Metiers
 École Centrale des Arts et Manufactures
 Soc. des Ingenieurs Civils
 The American Library

Germany

- Berlin.....Bibliothek der Technischen Hochschule

Germany (continued)

- Zeitschrift für Angewandte Mathematik
 und Mechanik
 Dusseldorf.....Verein Deutscher Ingenieure
 Bucherei des Vereines Deutscher
 Eisenhüttenleute
 Hamburg.....Bibliothek der Technischen Staatslehr-
 anstalten
 Hanover.....Bucherei der Technischen Hochschule
 Karlsruhe.....Bucherei der Technischen Hochschule
 Köln.....Universitäts- u. Stadtbibliothek
 Leipzig.....Stadtbibliothek
 München.....Bibliothek der Technischen Hochschule
 Bucherei des Deutschen Museums
 Stuttgart.....Bucherei der Technischen Hochschule

Holland

- Amsterdam.....Koninklyke Akademie von Wetenschappen
 Deft.....Bibliotheek Technische Hoogeschool
 The Hague.....Koninklijk Instituut van Ingenieurs
 Rotterdam.....Nationaal-Technisch-Scheepvaartkundig
 Instituut

India

- Bangalore.....Mysore Engineers Association
 Calcutta.....Bengal Engineering College
 Poona.....Poona College of Engineering

Ireland

- Belfast.....Queen's University of Belfast

Italy

- Milano.....Biblioteca R. Scuola d'Ingegneria
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 Rome.....Biblioteca R. Scuola d'Ingegneria
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 Torino.....Biblioteca del Politecnico

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Indexes to ASME Papers and Publications

THIS and the following pages will serve as a guide to the current publications of the ASME.

Regular Society Publications, 1957

Mechanical Engineering, monthly (see index on page SR-105)

ASME Transactions, monthly (see index on page SR-133)

Journal of Applied Mechanics, quarterly (see index on page SR-147)

ASME Mechanical Catalog, 1958 edition.

Applied Mechanics Reviews, monthly.

Smog News, bimonthly

Publications Issued in 1957

Books and Pamphlets

1956 ASME Transactions (bound form)

77-Year Index to ASME Technical Papers

Directory of Consulting Engineers

1956 Report on Oil and Gas Engine Power Costs

Proceedings of 1955 Joint Conference on Combustion

Proceedings of 1957 Design Engineering Conference

Proceedings of 1957 Oil and Gas Power Division Conference

Resistance of Various Materials to Cavitation Damage

Thermodynamic Properties of Compressed Water

Advances in Nuclear Engineering

Hot Laboratory Operation and Equipment

Problems in Nuclear Engineering

Reactor Operational Problems

Professional Amateur—The Biography of Charles Franklin

Kettering

Safety Codes and Standards

1957 Addenda to:

Power Boiler Code

Material Specifications

Low-Pressure Heating Boiler Code

Unfired Pressure Vessel Code

Suggested Rules for Care of Power Boiler

Welding Qualifications

Boiler and Pressure Vessel Code Interpretations

Carbide Blanks and Cutting Tools

Drafting Standards Manual

Section 1, Size and Format

Section 2, Line Conventions, Sectioning, and Lettering

Section 4, Pictorial Drawing

Section 5, Dimensioning and Notes

Face-to-Face and End-to-End Dimensions of Ferrous Valves

Glossary of Terms in Nuclear Science and Technology

Handbook for Small Sawmill Operators

Machine Mounting Specifications for Abrasive Disks and Plate

Mounted Wheels

Stainless-Steel Pipe

How to Find Papers Presented at 1957 ASME Meetings

THE technical programs of the meetings of the Society and of its Professional Divisions have been published in *Mechanical Engineering* and may be located by consulting the index on pages

SR-105 to SR-131. Many of these papers will be published in *Mechanical Engineering* or the *Transactions* (including the *Journal of Applied Mechanics*) and may be located by reference to the indexes of these publications.

Publications Developed by the Technical Committees

THE Society's technical committees, the first of which was organized many years ago and all of which have been continuously at work on codes, standards, research, and other special reports, have developed a series of publications of permanent value to the membership. The following list is presented here for record and for ready reference. This list covers the works of these committees together with dates of publications and prices. A discount of 20 per cent is allowed to ASME members on all publications except where statement "No discount allowed" appears after price.

ASME AMERICAN STANDARDS

BOLT, NUT, AND RIVET PROPORTIONS

Hexagon and Slotted Head Cap Screws—Square Head Set Screws—

Slotted Headless Set Screws (B18.6.2—1956), \$1.50

Large Rivets (B18.4—1950), \$1.50

Flow Bolts (B18.9—1950), \$1.50

Round Head Bolts (B18.5—1952), \$1.00

Slotted and Recessed Head Wood Screws (B18.6.1—1956), \$1.00

Small Solid Rivets (B18.1—1955), \$1.50

Socket Head Cap Screws and Socket Set Screws (B18.3—1954), \$1.50

Square and Hexagon Bolts and Nuts and Lag Bolts (B18.2—1955), \$2.00

Track Bolts and Nuts (B18.10—1952), \$1.50

High-Strength, High-Temperature Internal Wrenching Bolts (B18.8—1950), \$1.00

GEAR DESIGN, DIMENSIONS, AND INSPECTION

Design for Fine-Pitch Worm Gearing (B6.9—1956), \$1.50

Fine-Pitch Straight Bevel Gears (B6.8—1950), \$1.00

Gear Nomenclature (B6.10—1954), \$1.50

Inspection of Fine-Pitch Gears (B6.11—1956), \$2.50

Gear Tolerances and Inspection (B6.6—1946), \$1.50

Letter Symbols for Gear Engineering (B6.5—1954), \$1.50

Spur Gear Tooth Form (B6.1—1932), \$1.00

20-Degree Involute Fine-Pitch System for Spur and Helical Gears (B6.7—1956), \$1.50

Nomenclature for Gear Tooth Wear and Failure (B6.12—1954), \$1.50

System for Straight Bevel Gears (B6.13—1955), \$1.00

PIPING, PIPE FITTINGS, AND THREADS

Air Gaps and Backflow Preventers in Plumbing Systems (A40.4—1942 and A40.6—1943), \$1.50

Brass Fittings for Flared Copper Tubes (A40.2—1936), \$1.50

Brass or Bronze Flanges and Flanged Fittings for 150 and 300 Lb (B16.24—1953), \$1.00

Brass or Bronze Screwed Fittings for 125 Lb (B16.15—1949; reaffirmed 1952), \$1.50

Brass or Bronze Screwed Fittings for 250 Lb (B16.17—1949; reaffirmed 1953), \$1.00

Butt-Welding Ends (B16.25—1955), \$1.00

Cast-Brass Solder-Joint Fittings (B16.18—1950), \$1.50

Cast-Brass Solder-Joint Drainage Fittings (B16.23—1956), \$1.50

Cast-Iron Pipe Flanges and Flanged Fittings for 25 Lb Maximum

Saturated Steam Pressure (B16b2—1931; reaffirmed 1952), \$1.00

Cast-Iron Pipe Flanges and Flanged Fittings Class 125 (B16.1—1948, reaffirmed 1953), \$1.50

Cast-Iron Pipe Flanges and Flanged Fittings Class 250 (B16b—1944; reaffirmed 1953), \$1.50

Cast-Iron Pipe Flanges and Flanged Fittings for Refrigerant Piping, Class 300 (B16.16—1948; reaffirmed 1952), \$1.00
 Cast-Iron Pipe Flanges and Flanged Fittings for 800 Lb Maximum Hydraulic Pressure (B16.1—1931; reaffirmed 1952), \$1.00
 Cast-Iron Soil Pipe and Fittings (A40.1—1935), \$2.00
 Cast-Iron Screwed Fittings for 125 and 250 Lb Maximum Saturated Steam Pressure (B16.4—1949; reaffirmed 1953), \$1.50
 Cast-Iron Screwed Drainage Fittings (B16.12—1953), \$1.00
 Face-to-Face and End-to-End Dimensions of Ferrous Valves (B16.10—1957), \$1.50
 Ferrous Plugs, Bushings, Lock Nuts, With Pipe Threads (B16.14—1949; reaffirmed 1953), \$1.00
 Malleable-Iron Screwed Fittings, 150 Lb (B16.3—1951), \$1.50
 Malleable-Iron Screwed Fittings, 300 Lb (B16.19—1951), \$1.00
 Nonmetallic Gaskets for Pipe Flanges (B16.21—1951), \$1.00
 Pipe Threads (B2.1—1945), \$2.50
 Ring-Joint Gaskets and Grooves for Steel Pipe Flanges (B16.20—1956), \$1.00
 Scheme for the Identification of Piping Systems (A13.1—1956), \$1.00
 Steel Pipe Flanges and Flanged Fittings for 150, 300, 400, 600, 900, 1500, and 2500 Lb, Including References to Valves (B16.5—1953), \$3.00
 Stainless-Steel Pipe (B36.19—1957), \$1.00
 Steel Butt-Welding Fittings (B16.9—1951), \$1.50
 Steel-Socket Welding Fittings (B16.11—1946; reaffirmed 1952), \$1.00
 Threaded Cast-Iron Pipe for Drainage, Vent, and Waste Services (A40.5—1943), \$1.00
 Wrought-Copper and Wrought-Bronze Solder-Joint Fittings (B16.22—1951), \$1.00
 Wrought-Steel and Wrought-Iron Pipe (B36.10—1950), \$1.50

LETTER AND GRAPHICAL SYMBOLS AND CHARTS

Abbreviations for Scientific and Engineering Terms (Z10.1—1941), \$0.50
 Abbreviations for Use on Drawings (Z32.13—1950), \$1.25
 Drafting Standards Manual
 Section 1, Size and Format (Y14.1—1957), \$1.00
 Section 2, Line Conventions, Sectioning, and Lettering (Y14.2—1957), \$1.50
 Section 4, Pictorial Drawing (Y14.4—1957), \$1.50
 Section 5, Dimensioning and Notes, (Y14.5—1957), \$2.00
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 Graphical Symbols for Plumbing (Y32.4—1955), \$1.00
 Graphical Symbols for Pipe Fittings, Valves, and Piping (Z32.2.3—1949; reaffirmed, 1953), \$1.00
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B

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C

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E

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F

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G

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H

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Maintenance welding high-test line pipe. Paper No. 56-PET-15.
- HILST, G. R., AND FUGUAY, J. J.
Meteorological factors in site selection.
- HOLBROOK, G. E.
Development of the Allison turbo-prop engine. Paper No. 56-GTP-17.
- HOLDEN, O., AND PEMBERTON-PIGOTT, P.
Mechanical design features of the St. Lawrence Power Project. Paper No. 56-CAN-1.
- HOUGH, F. A., AND BELL, JAMES F.
Natural gas for the Pacific Northwest.
- HOWELL, J. D.
The geometry of belt and chain drives. Paper No. 56-SA-41.
- HUANG, T. C.
Residual stresses in cylindrical specimens.
- HUFFMAN, J. R.
The materials testing reactor operating characteristics and experimental testing.
- HUGHES, J. V., AND SHARP, J. M.
The design and operation of an electrical analog of a reciprocating compressor installation. Paper No. 56-A-200.

- HUPPERT, M. C., AND COSTLOW, E. L.
Some aspects of rotating stall in single-stage compressors. Paper No. 56-SA-57.
- HUB, J. J., DEICHLER, J. K., AND WORNELL, G. R.
Selection of materials for construction of catalytic reforming units. Paper No. 56-PET-8.

I

- INGLEY, F. L., AND MEEKS, P. J.
High impact plastics as engineering materials.

J

- JENKINSON, J. R.
Low-temperature deposits and corrosion in boilers. Paper No. 56-A-184.
- JIMBO, HIRAO
Investigation of the interaction of windage and leakage phenomena in a centrifugal compressor. Paper No. 56-A-47.
- JOHNSON, A. PEMBERTON
The selection of technical managers. Paper No. 56-SA-10.
- JOHNSON, G. DUGAN
The Kaplan turbine in Canada. Paper No. 56-CAN-2.
- JOHNSON, J. W.
Lateral tests on full-scale lumber and plywood-sheathed roof diaphragms. Paper No. 56-S-16.
- JOHNSON, L. G.
The use of high-speed computers in the design and appraisal of helical gears. Paper No. 56-A-142.
- JONES, R. VERNON, AND BOEKE, PAUL J.
Properties and applications of MARLEX 50 ethylene polymer.

K

- KARAM, H. J.
Polymer properties involved in process equipment design. Paper No. 56-A-175.
- KELLER, G. R.
High temperature aircraft hydraulics. Paper No. 56-AV-5.
- KELLY, P. V.
The new American standard for surface roughness, waviness, and lay, ASA B46.1-1955. Paper No. 56-SA-48.
- KEMMERER, H. R.
Effective utilization of engineering manpower in research.
- KETCHUM, V.
Glued laminated timber construction. Paper No. 56-S-15.
- KING, T. H., AND BROWN, D. D., JR.
Problems encountered in the selection and use of air-cooled, heat-transfer equipment. Paper No. 56-PET-12.
- KNAFF, CARL
The carrier method of handling as applied in the steel industry. Paper No. 56-S-6.
- KNAUSS, A. C.
Kilns for drying lumber—some aspects of design.
- KOENIGSDORFER, F., AND GHANBRIAL, S. R.
Impact stresses in drop hammer guides. Paper No. 56-A-12.
- KOHLER, W. H.
Development of hydraulic operation for gates and valves. Paper No. 56-F-8.
- KREITH, F., AND TAYLOR, J. H., JR.
Heat transfer from a rotating disk in turbulent flow. Paper No. 56-A-146.
- KRESS, R.
A new solar gas turbine driven auxiliary power plant. Paper No. 56-GTP-8.
- KRESS, R.
A pod-mounted gas-turbine-driven auxiliary power unit. Paper No. 56-S-10.
- KROESCHELL, T. R.
The development of the heat pump and its application in the Chicago area.

L

- LAFAVE, V. A.
Design applications for air drilling equipment.
- LAMB, BAYNE
Modern material handling as employed by Boeing Airplane Company, Seattle Division. Paper No. 56-S-5.
- LATTIN, L. E.
The art of applying science. Paper No. 56-MGT-3.

- LEMAY, R. C.
Processes and product improvements to be anticipated with natural gas. Paper No. 56-S-14.
- LEONARD, A. S.
A preliminary analysis of a turning jet. Paper No. 56-F-19.
- LEUBENBERGER, H., AND PERSON, R. A.
Compilation of radiation shape factors for cylindrical assemblies. Paper No. 56-A-144.
- LIN, D. J. L., AND HANSEN, A. J.
The application limits and accuracies of control valve flow coefficient, CV. Paper No. 56-IRD-22.
- LITSINGER, H. S., AND HATTON, R. E.
The technical appraisal of the performance of OS-45 and/or OS-45-1 high temperature hydraulic fluids. Paper No. 56-AV-21.
- LOHMEYER, GEORGE D.
The training stage after graduation.
- LOCHIANO, R.
Remote-controlled, engine-driven, centrifugal, gas-compressor station. Paper No. 56-PET-22.
- LOWRY, R. K., AND BOARDMAN, W. P.
Supersonic ramjet controls and the thermal barrier.
- LUCKE, C. F., AND DEEM, H. W.
Apparatus for measuring the thermal conductivity of liquids at elevated temperatures: thermal conductivity of fused NaOH to 600 C. Paper No. 56-SA-31.
- LYLE, J. E.
Cold-weather pipe lining. Paper No. 56-PET-17.
- LYON, F. H., AND GROVER, H. J.
Some suggestions for research in diaphragm technology. Paper No. 56-A-221.
- LYONS, L. J.
High temperature problems of airborne electrical equipment. Paper No. 56-AV-25.

M

- MACALUSO, C. A.
An automatic, spray desuperheating, closed system for testing compressors. Paper No. 56-A-153.
- MACAULEY, R. W., AND GARDINER, C. M.
Increased life for gas turbine combustion systems burning residual fuel. Paper No. 56-GTP-11.
- MCCAFFREE, K. M.
An economic appraisal of nuclear versus hydro power development in the Pacific Northwest. Paper No. 56-S-8.
- MCCALLEY, R. B., JR., AND KELLY, R. G.
Tables of functions for short cylindrical shells. Paper No. 56-F-5.
- MCCLELLAN, L. N.
Engineering management in reclamation. Paper No. 56-F-17.
- MCCORMICK, H. J.
Handling by dragline—the workhorse of industry. Paper No. 56-SA-38.
- MACFARLANE, W. A.
Industrial fuel utilization in the United Kingdom. Paper No. 56-FU-3.
- MCINTOSH, G. B., JR.
Semiautomatic, gas-engine-driven, centrifugal, gas-compressor station. Paper No. 56-PET-28.
- McKINLEY, D. C.
Experience with positive displacement meters in oil pipe service. Paper No. 56-PET-20.
- McLENNAN, D. W.
Professional development—the importance of early planning.
- MALLEBY, GUY, JR.
The large water-based transport and its military uses. Paper No. 56-AV-26.
- MARTIN, R. W., JR.
Wood refuse spreader stoker firing of two steam generators. Paper No. 56-S-21.
- MARTS, F. B.
Remote control and operation of booster stations on the Platte pipeline system. Paper No. 56-PET-14.
- MATER, MILTON H.
Power requirements for sawing redwood cants with seven-foot diameter bandmill.
- MAULL, W. W., AND McMAHON, E. C.
Fly-ash refining. Paper No. 56-FU-1.
- MEDEROS, A. A., AND CONGER, C. C.
Facilities and instrumentation for compressor and turbine research at the NACA Lewis Flight Propulsion Laboratory. Paper No. 56-SA-65.

- MELDRAM, C. W.
Materials handling—equipment and techniques for loading and unloading all-cargo aircraft. Paper No. 56-A-197.
- MELVIN, RICHARD H.
Evolution of the iron hand.
- MENDELSON, A., AND MANSON, S. S.
Practical solution of plastic deformation problems in the elastic-plastic range. Paper No. 56-A-202.
- MICHAELS, ABRAHAM
Design criteria for municipal incinerators—the customer's view. Paper No. 56-SA-60.
- MILES, J. C., PARKER, N. A., AND SMOOT, R. L.
Rotary regenerator for gas turbines. Paper No. 56-GTP-9.
- MILES, T. R.
Barking slabs and logs in the Northwest.
- MORSE, K. M.
Factors in exhaust ventilation system design for the safety engineer. Paper No. 56-SA-64.
- MOYLE, M. P., ET AL.
Development and evaluation of an icing indicator. Paper No. 56-AV-1.
- MURPHY, J. H., SODERBERG, C. R., JR., AND ROSSHEIM, D. B.
Considerations affecting future pressure vessel codes. Paper No. 56-MET-4.

N

- NADDOR, E.
Economic lot sizes for some elementary inventory systems.
- NELSON, H. W., AND PILCHER, J. M.
Ignitibility testing as a measure of the burning characteristics of solid fuels. Paper No. 56-FU-2.
- NEWELL, FLOYD B.
Diaphragm characteristics. Paper No. 56-A-220.
- NEWTON, J. A., AND BRAID, M. D.
Production surfacing of aluminized engine valves. Paper No. 56-SA-35.
- NIPPES, E. F., ET AL.
Time-temperature effect on properties of weld heat affected zone in type 347 stainless steel. Paper No. 56-MET-5.
- NYE, D. D., JR., AND PARADISE, R. Y.
An analytical study of linearized industrial process controllers. Paper No. 56-IRD-23.

O

- OUTWATER, J. OGDEN
The fundamental mechanics of reinforced plastics. Paper No. 56-A-201.

P

- PARKER, F. C.
Are standards or codes practical for ultrasonic examinations of metals and weldments? Paper No. 56-A-185.
- PASEK, R. L., AND LUNDBERG, R. M.
Determination of heat content of coal by regression analysis. Paper No. 56-FU-4.
- PELOUBET, E. M.
Aluminizing aspects of fabricated pipe and piping components. Paper No. 56-PET-35.
- PENGELLEY, C. D.
Frequency of a preloaded system. Paper No. 56-A-158E.
- PENNELLS, N. E.
CO boiler pays off in fuel savings and produces zero CO. Paper No. 56-A-198.
- PENROD, E. B., AND PRIVON, G. T.
Transient heat flow determination of the thermal properties of clay. Paper No. 56-A-91.
- PHILLIPS, NORMAN D.
Progress report—ignitibility of solid fuels and burning rates of fixed carbon. Paper No. 56-FU-5.
- PIPPENGER, J. J.
The effects of back pressure on hydraulic oil-control valves. Paper No. 56-A-148.
- POPE, S. H.
Lease automatic custody transfer. Paper No. 56-PET-33.
- PUCAK, P. P., AND PELINI, W. S.
Evaluation of the significance of Charpy Test for quenched and tempered steels. Paper No. 56-MET-2.

R

- RADCLIFFE, B. M.
The design of timber roof truss with nail-glued connections. Paper No. 56-A-180.

- RAMSEY, R. P., AND SOO, S. L.
A new concept in engine gas-generator-turbine plant. Paper No. 56-A-204.
- REDDING, H. D.
Practical aspects of using diesel-electric railway equipment on drilling rigs. Paper No. 56-PET-29.
- REINECKING, W. H.
Human problems in the development of the F-102 cockpit. Paper No. 56-AV-2.
- RESWICK, J. B., AND ROBERTS, J. E.
A new method for analog correlation. Paper No. 56-A-158F.
- REYNOLDS, R. V.
Tungsten carbide tools for woodworking industries.
- RITCHIE, J. E.
Engineering as a function of management. Paper No. 56-A-65.
- RIZIKA, J. W.
The thermal problems of high-speed flight and the central electric aircraft cooling program. Paper No. 56-SA-24.
- ROSA, J. E.
A program for controlling construction costs. Paper No. 56-PET-10.
- RUPP, H. H., AND HORNBERGER, W. N.
Portable 5000-kw railway and skid-mounted gas turbine power plants. Paper No. 56-S-7.
- RUSZCZAK, R.
Machine-tool automation and feedback. Paper No. 56-MD-3.

S

- SAWARAGI, Y., AND TAKAHASHI, S.
Spectral response of control system containing zero-memory nonlinearity to random inputs. Paper No. 56-IRD-15.
- SCHLEP, H. R.
The versatile gas turbine. Paper No. 56-S-11.
- SCHMIDT, A. O., ET AL.
Ceramic and carbide tool performance tests—part I. Paper No. 56-A-218.
- SCHUBERT, D. E., AND NELSON, N. E.
Particle board manufacture (mechanization).
- SCHUELER, L. B.
Boiler cleaning—methods and controls. Paper No. 56-F-13.
- SEANOR, R. C.
Roll bending applied to rubber and plastic calenders. Paper No. 56-A-176.
- SEEBE, N. B.
Accuracy requirements of Graflex 70-mm combat focusing system. Paper No. 56-A-147.
- SHERBROOKE, W. A., AND MONROE, H., JR.
Air and gas duct system for the gas-turbine vessel John Sergeant. Paper No. 56-A-207.
- SHORMAKER, R. C.
The design of over-hanging attachments for crawler tractors. Paper No. 56-S-2.
- SKAFF, P. S.
The maintenance challenge in a petrochemicals plant. Paper No. 56-PET-2.
- SKINNER, J. B.
Toxicity of materials of interest to the mechanical engineer. Paper No. 56-A-56.
- SMITH, GEORGE V.
Chromium-molybdenum and chromium-molybdenum-vanadium steels for power plant and refinery service up to 1100F: an appraisal of the literature. Paper No. 56-A-214.
- SMITH, V.
Steps toward more creative production engineering. Paper No. 56-SA-49.
- SOLNICK, R. L.
Apparatus for sampling particulate matter in high-pressure gas streams. Paper No. 56-PET-16.
- SOMERS, J. C.
Materials handling in product finishing. Paper No. 56-A-150.
- SPEER, PAUL
Materials handling of bulk materials in the meat-packing industry. Paper No. 56-A-193.
- STEIDEL, R. F., JR.
Building a professional future.
- STEVENS, L. R., JR.
A systematic study of air cycles for aircraft cooling applications. Paper No. 56-SA-11.
- STYS, Z. STANLEY
6200-kw gas-turbine-driven mobile power plant. Paper No. 56-GTP-4.
- SWEENEY, J. C.
Gearbox layout (logarithmic spiral). Paper No. 56-A-158G.

T

- TEITELBAUM, P. D.
Trends and prospects in the coal industry.
- THOMPSON, B. J.
Hydraulic drives using rich-oil power units. Paper No. 56-PET-9.
- THOMPSON, N. D.
Handling timber with the fork-lift truck and material carrier. Paper No. 56-S-4.
- TODD, DONALD J.
The J69 engine—two applications of a small turbojet. Paper No. 56-SA-62.
- TOPPING, A. D.
On porosity and rock strength. Paper No. 56-PET-27.
- TROTTER, CLAUD H.
Maintenance organization factors in the modern refinery. Paper No. 56-PET-5.
- TRUE, R. W.
Drilling rig maintenance costs.
- TUCKER, J. T., JR., AND EBERLE, F.
Development of a ferritic-austenitic weld joint for steam plant application.

U

- ULLMANN, J. E.
Cost criteria of design change in industrial products. Paper No. 56-SA-42.

V

- VALENTINE, PHILIP J., AND FRENCH, EDWARD P.
Measuring ramjet tailpipe temperatures. Paper No. 56-AV-30.
- VAN DYKE, J. C.
Recent developments in engineered timber construction. Paper No. 56-A-136.
- VAN WINKLE, J.
A survey of possible refrigerants for high-temperature application. Paper No. 56-SA-12.
- VALSONYI, A.
Economic lot size formulas in manufacturing.

W

- WAYNE, S. S.
The effect of heavy rainstorms on the J47 turbojet operation. Paper No. 56-A-151.
- WEBB, P.
Ventilated clothing as a protection against heat exposure. Paper No. 56-AV-4.
- WEILER, R. E.
Performance and design considerations for turbojet engines operating in the thermal barrier region.
- WELANET, L. F.
Graphical versus computer techniques—for mechanical analysis. Paper No. 56-A-48.
- WILDMANN, M.
Experiments on gas lubricated journal bearings. Paper No. 56-LUB-8.
- WILEY, J. R.
Air cargo terminal design and location. Paper No. 56-A-174.
- WILLIAMS, A. H.
A stabilized platform to mount on a nonrigid airship base. Paper No. 56-AV-27.
- WINN, R. L.
Airlift within A. M. C.
- WOLFSON, M. K.
Experience with water-alcohol injection on the J47 engine. Paper No. 56-A-152.
- WOOD, H. C., TAYLOR, J. R., AND BOURKE, R. J.
Weather aging of colored styrene plastics.
- WOODSON, R. D.
The engineer in a professional status.
- WOOLF, J. R., AND SCOTT, L. R.
Influence of through metal on heat transfer through aircraft-structural-sandwich panels. Paper No. 56-SA-23.
- WYATT, HARRY M., JR.
Pulverization absorbers—their design and application. Paper No. 56-PET-31.
- WYLLIE, R. D., AND CARPENTER, O. R.
Some considerations in the welding of austenitic chromium-nickel stainless steels.

Z

- ZWICKY, E. E., JR.
The use of digital computers in the mechanical design of large steam turbines. Paper No. 56-A-139.

1. The first part of the paper is devoted to a general introduction of the subject. It is divided into two main sections: the first section deals with the general principles of the theory, and the second section deals with the application of these principles to the specific case at hand.

2. In the first section, we shall first of all consider the general principles of the theory. We shall then proceed to a more detailed examination of the specific case at hand. It is important to note that the results obtained in this section are of a general nature and are not dependent on the specific case at hand.

3. The second section of the paper is devoted to the application of the general principles to the specific case at hand. We shall first of all consider the general principles of the theory, and then proceed to a more detailed examination of the specific case at hand. It is important to note that the results obtained in this section are of a general nature and are not dependent on the specific case at hand.

4. The third part of the paper is devoted to a general introduction of the subject. It is divided into two main sections: the first section deals with the general principles of the theory, and the second section deals with the application of these principles to the specific case at hand.

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Index to Mechanical Engineering

Volume 79, January—December, 1957

(A) denotes Abstract; (AC) Author's Closure; (BR) Book Reviews; (C) Correspondence; (D) Discussion; (Ed) Editorial

A

ABLOW, C. M. Transient air temperatures in a duct (A).....	186
ABRAHAM, B. M. UO ₂ -NaK slurry studies in loops at 600 C (A).....	472
ABRAMSON, H. NORMAN Study of the propagation of flexural waves in elastic beams (A).....	886
ABRASIVES "Botazon," a diamond-hard abrasive (A).....	357
ABSORPTIVITY. <i>See</i> RADIATION	
ACCELERATORS. <i>See</i> ATOMIC ENERGY	
ACOSTA, A. J. Experimental study of centrifugal-pump impellers (A).....	186
ADAMS, COMFORT A. Awarded Edison Medal.....	107, 416
ADAMS, DOUGLAS P. Abacs or nomograms (BR).....	99
Alignment diagrams from network charts by graphics (AC).....	494
ADAMSON, G. M. Stress-corrosion cracking problems in the homogeneous reactor test (A).....	476
ADHESIVES. <i>See also</i> CEMENTED JOINTS Bonding plastic to rubber and metals (A).....	1050
ADKINS, H. Practical aspects of relay or pulse servo- mechanisms (A).....	585
ADMINISTRATION. <i>See</i> MANAGEMENT	
AEBERSOLD, A. F. Pipeline steels—a review of the indus- try.....	448
AERODYNAMICS New approach to the theory of thin, slight cambered profiles (A).....	381
Stall propagation in a cascade of air- foils (A).....	968
AINSWORTH, CYRIL Safety standards.....	138
AIR CONDITIONING Gas-motor air conditioning.....	454
AIR DRILLING. <i>See</i> PETROLEUM-WELL EQUIPMENT	
AIR HEATERS Air preheater improves combustion (A).. In-service washing of Ljungstrom air preheaters on pulverized-coal-fired steam generators (A).....	668 380
AIR LUBRICATION. <i>See</i> BEARINGS	
AIR POLLUTION Air pollution controlled (A).....	465
Air pollution handbook (BR).....	783
ASME to participate in Air Pollution Control Association celebration.....	517
Characteristics of air-borne particles (A).....	967
"Determining dust concentration in a gas stream" is revision of original ASME Power Test Code section.....	1190
Dust and fume control.....	1022
Dust near steam power stations (A).....	470
Encyclopedia of instrumentation for industrial hygiene (BR).....	783
Studies on air-pollution control by Southern California Edison Com- pany (A).....	773
AIR TRANSPORT Airfreight sales development (A).....	384
All cargo aircraft requirements for efficient ground operation (A).....	282
Jet air freighter (A).....	953
Maintenance of airline engines.....	1123
Materials handling equipment and techniques for loading and unloading all-cargo aircraft (A).....	384
AIRPLANE ENGINES Automation and new methods for over- haul (A).....	680
Cleaning methods used in the overhaul of aircraft gas-turbine power plants (A).....	680

ISSUE	PAGE
NUMBERS	
January	1-128
February	129-220
March	221-328
April	329-424
May	425-532
June	533-628
July	629-716
August	717-828
September	829-916
October	917-1012
November	1013-1108
December	1107-1216

AIRPLANE ENGINES (continued) Designing jet engines with a medium-size digital computer (A).....	383
Effect of heavy rainstorms of J47 turbo- jet operation (A).....	282
Evolution of a small turbojet (A).....	283
Experience with water-alcohol injection on the J47 engine (A).....	384
Maintenance of airline engines.....	1123
Mechanical approach to simplified jet- engine maintenance (A).....	680
AIRPLANE FUEL SYSTEMS Dynamic-versus-static fuel-control test- ing a controversy at Vickers hydraulic symposium.....	1109
AIRPLANE HYDRAULIC SYSTEMS Dynamic-versus-static fuel-control test- ing a controversy at Vickers hydraulics symposium.....	1109
Vickers Transport Aircraft Hydraulic Conference.....	111
AIRPLANE INSTRUMENTS Measurement and integration of accelera- tion in inertial navigation (A).....	384
AIRPLANE LANDING GEARS Fresh approach to aircraft landing-gear design (A).....	679
AIRPLANE MANUFACTURE Aircraft production criticized (A).....	281
AIRPLANE REFUELING UNITS Approach to simplification of aerial refueling hose-reel units (A).....	681
AIRPLANES. <i>See also</i> AIR TRANSPORT, HIGH-TEMPERATURE RESEARCH, WIND-SHIELDS Arnold Engineering Development Cen- ter.....	8
Boron fuels for transonic aircraft and missiles (A).....	1047
Designing equipment for reliability.....	1142
The hot airplane.....	925
Metallic material engineering and manu- facturing aspects of new high-speed aircraft (A).....	681
Nuclear weapons engineering (A).....	768
Pilot information utilization: a study in human response dynamics (A).....	486
Skid-warning "foot thumper" (A).....	1049
AIRPORTS Air-cargo-terminal design and location (A).....	384
ALDAG, ROBERT Dual-powered high-speed locomotive.....	341, 1074
ALDEN, JOHN DOUGLAS Obituary.....	126
ALIGNMENT DIAGRAMS. <i>See</i> GRAPHICAL METHODS	
ALLARDT, ERNST W. Biography.....	813
Nominated for Regional Vice-Presi- dent.....	813
ALLOYS. <i>See also</i> MAGNETISM, NONFER- ROUS ALLOYS, STEEL ALLOYS Cast alloy with 140,000-psi tensile strength (A).....	361
Columbian (niobium) alloys (A).....	360

ALUMINUM. <i>See also</i> RAILROAD CARS, ROLLING MILLS Alumina from clay (A).....	36
Roller-hearth furnace for heat-treating large aluminum-alloy extrusions (A)...	359
AMERICAN INSTITUTE OF CHEMICAL EN- GINEERS Cosponsors IRD conference program....	312
AMERICAN INSTITUTE OF CONSULTING ENGINEERS Annual dinner, 1956.....	101
AMERICAN INSTITUTE OF MINING, METAL- LURGICAL, AND PETROLEUM ENGI- NEERS Joint Fuels Conference with ASME.....	899, 1196
AMERICAN POWER CONFERENCE 1957 program shows ASME in large role.	311
AMERICAN ROCKET SOCIETY Annual meeting, 1956.....	102
AMERICAN SOCIETY OF LUBRICATION ENGI- NEERS ASME-ASLE Lubrication Conference, Toronto, 1957.....	1091
AMERICAN SOCIETY OF MECHANICAL ENGI- NEERS Activities: 1956—Then what?—Sugges- tions for future ASME activities.....	4
Applied Mechanics Division Conference, Berkeley, 1957.....	515, 816
Joins in ASA mechanical shock and vibration program.....	1198
Budget policies, 1957-1958.....	908
Codes and Standards Workshop. <i>See also</i> subject of code.....	213, 320, 415, 525, 621, 708, 819, 907, 1000, 1090,
Committees	1200
National Junior Committee Biographical sketches of 1957 mem- bers.....	1002
Meeting in Springfield, Vt.....	1002
1958 Nominating Committee organ- izes.....	821
Reactor hazards code committee organized.....	321
Regional administrative committee meetings.....	809
Council Actions.....	820, 1208
Activities in 1955-1956.....	55
Executive Committee actions.....	214, 321, 417, 526, 622, 1101, 1102,
Fellows elected.....	619
Finance report for 1955-1956.....	64
Fuels Division; Joint Solid Fuels Con- ference with AIME.....	899, 1196
Gas Turbine Power Division conference, 1957.....	209, 518
IRD conference, 1957.....	312, 610
Instruments and Regulator Division IRD Joins AIEE and IRE in meeting on computers in control.....	963
Junior forum.....	117, 211, 316, 414, 524, 620, 710, 817, 908, 1002, 1093,
Lecturers, 1955-1956.....	74
Lubrication Division; ASME-ASLE Lubrication Conference, 1957.....	980, 1091
Machine Design Division Conference, 1957.....	313, 516, 704
Management Division Conference.....	210
Engineering Management Conference, Pittsburgh, 1957.....	521
West Coast Engineering Management Conference.....	517
Meetings ASME-AICHE Heat Transfer Con- ference, 1957.....	996
ASME-SAM Management Conference Annual Meeting (Ed).....	1015
Annual Meeting, 1956.....	75
Annual Meeting, 1957.....	1083
Calendar of meetings.....	115, 208, 319, 413, 517, 616, 810, 901, 1001, 1100,
Design Engineering Conference, 1957.....	412
Fall Meeting, Hartford, 1957.....	703, 782, 1086
Maintenance and Plant Engineering Group holds first meeting.....	416
Management Engineering Confer- ence, 1957.....	617
Petroleum Division Conference, Tulsa, 1957.....	794
Power Conference, Allentown, 1957.....	902
Railroad Division Conference, 1957.....	614

ASME (continued)		ANALYSIS. See AUTOMATIC CONTROL		ATOMIC ENERGY (continued)	
Region I holds management conference		CHEMICAL ANALYSIS OF COAL, ELECTRIC ANALOGY, ENGINE ANALYSIS		AEC radiation safety report published	604
Regional conference on management, West Boylston, Mass.	318	MATHEMATICS, SERVOMECHANISMS, STATISTICAL METHODS, STEEL ALLOYS		Atomic energy report	604
Semi-Annual Meeting, San Francisco, 1957	397	ANDERSON, G. C.		Atomic power in the U.K. (A)	183
Spring Meeting, Birmingham, 1957	798	Plastic pipe in the petroleum industry (A)	1005	Catalyzed nuclear reaction (A)	270
Technology Executives Conference, 1957	606	ANDERSON, JOHN F.		Fellowships in nuclear-energy technology available	103
Textile Engineering Division Conference, 1957	308	Enrico Fermi fast-breeder reactor (cond.)	240	Geneva Conference on Peaceful Uses of Atomic Energy; papers invited for second conference	1193
Members		ANDERSON, W. F.		"Glossary of terms in nuclear science and technology" announced	1194
Fellows elected	1205	Heat-transfer considerations in the use of organic reactor coolants (A)	473	Heavy ion linear accelerator (A)	759
Membership		ANDERSON, W. J.		Impact of atomic energy on fossil fuels (A)	1055
Candidates	124, 216, 324, 420, 528, 624, 711, 824, 912, 1008, 1104	On friction and lubrication at temperatures to 1000° F with particular reference to graphite (A)	1165	Nuclear bridge (A)	668, 763, 946, 1054
News	114, 207, 305, 408, 511, 606, 696, 792, 899, 987, 1083	ANDRES, R. F.		Nuclear Congress, 1957	558
Obituaries	126, 218, 326, 422, 530, 626, 714, 826, 914, 1010, 1106	Evaporated make-up water for a monotube boiler (A)	484	Nuclear Congress and unity (Ed)	131
Officers		ANSHEN MELVIN		Nuclear energy standards are ISO topic in Geneva	807
Nominations for 1957-1958	805	Development of engineering managers through planned education and training	741	Process engineering problems in the Hanford separation plants	634
Nominations open for 1959	1207	ANTIFRICTION BEARINGS		Reasons for establishing Euratom	558
Oil and Gas Power Division Conference, 1957	411	Current development problems in high-temperature aircraft roller bearings (A)	1164	Two new nuclear articles (A)	463
Petroleum Division Conference, Tulsa, 1957	1094	How Timken engineers engineering and management developed and built its mechanized roller bearing plant	981	Young talent needed in atomic power field (A)	396
Power Division Conference, Allentown, 1957	1192	"Roller freight" needs better trucks (A)	675	ATSUMI, A.	
Publications		ANTONSEN, A. K.		Stress concentrations in a strip under tension and containing two pairs of semicircular notches placed on the edges asymmetrically (A)	885
ASME handbook, "Engineering Tables," selected as one of the 100 best technical books of 1956	609	Development of a supercharged medium speed two-cycle opposed-piston engine (A)	282	ATTWILL, W. H.	
Availability list of ASLE-ASME Lubrication papers, 1957	1092	APITE, C. R.		Evaluating coal by utilization cost (A)	383
ASME-AICHE Heat Transfer Conference papers, 1957	999	Economic aspects of combustion gas turbine application in the refining industry (A)	1006	AURAND, HENRY S.	
ASME-AIME Joint Fuels Conference papers, 1957	1198	APFL, F. C.		Biography	813
ASME-EIC petroleum papers, 1957	788	On the theoretical analysis of a dynamic thermocouple (A)	291	Nominated for Regional Vice-President	813
ASME Power Conference papers, 1957	1194	APPLEBAUM, S. B.		AUSMAN, J. S.	
Annual Meeting papers, 1956	95	Selecting water-treating processes for medium-pressure boilers (A)	481	Fluid dynamic theory of gas-lubricated bearings (A)	52
Applied Mechanics Conference papers, 1957	780	APPLIED MECHANICS		AUSTRALIA	
Engineering management papers	523	Dislocation over a bounded plane area in an infinite solid (A)	589	Australia and the challenge of change (BR)	1175
Full Meeting papers, 1957	1088	Third U. S. National Congress of Applied Mechanics announced for June, 1958	694	AUTOMATIC CONTROL. See also COMPUTERS, ELECTRICAL PRECIPITATORS, LUBRICATION, MACHINE TOOLS, REMOTE CONTROL, RIVETED JOINTS, SERVOMECHANISMS	
Gas turbine power papers	520	Trifilar pendulum and its application to the experimental determination of moments of inertia (A)	969	Algebraic approach to design of automatic controls (A)	587
Instruments and Regulators Conference papers, 1957	612	ARATA, W. H., JR.		Analytical study of linearized industrial process controllers (A)	49
Nuclear Conference papers, 1957	488	All cargo aircraft requirements for efficient ground operation (A)	282	Application limits and accuracies of control-valve flow coefficient CV (A)	49
Oil and Gas Conference papers, 1957	702	ARCHER, ARTHUR ALBERT		Application of automatic digital-data-collecting to boiler testing	1016
Petroleum Mechanical Engineering papers, 1957	1099	Obituary	826	Automated air defense (A)	869
Railroad Conference papers, 1957	616	ARNITTAGE, JOSEPH BRADLEY		Automated crankshaft machining (A)	1184
Semi-Annual Meeting papers, 1957	778	Obituary	914	Automatic production of oil from well-head to pipeline (A)	1062
Spring Meeting papers, 1957	609	ARMA, J. H. R.		Control problems in sodium-cooled graphite-moderated reactors	749
Unpublished ASME papers	1072	Retires as secretary-general manager of American Engineering Trustees, Inc.	206	Correlation functions and noise patterns in control analysis (A)	586
Wood Industries Conference papers, 1957	707	ARNOLD, CHRISTIAN K.		Design of a self-optimizing control system (A)	587
Meetings deadline dates (Ed)	427	Technical ghostwriting	348	Dynamic field tests of a process furnace (A)	586
Mechanical Catalog, 1958	1001	ARNOLD, E. D.		Dynar response studies of a mechanized-hydraulic frequency-discriminator governor (A)	584
Nuclear glossary, 1957 edition published	415	Decay and storage of irradiated fuel (A)	475	Effect of logarithmic element in an otherwise linear process-control system (A)	49
Railroad Division Conference, 1957	314	ARNOLD, J. NORMAN		Electrically controlled milling machine (A)	36
Sections		Alignment diagrams (D)	492	Heidelberg control system attracts international group	105
Anthracite-Lehigh Valley Section is host to National Power Conference	698	ARPAI, V. S.		Instrumentation and controls, Centralia Water Flood, Illinois (A)	1171
Birmingham Section host to 1957 Spring Meeting	305	Dynamic response of heat exchangers having internal heat sources	963	Introduction of numerical control for machine tools (A)	1146
Mid-Continent Section sponsors Petroleum Conference	1094	Part I (A) 880, Part II (A)	218	Japan Society of Automatic Control receives ASME scroll	789
Southern California Section sponsors intersociety management banquet	116	ARTSAY, NICHOLAS CONSTANTINE		Linear force-input, pneumatic amplifier with fast response characteristics (A)	585
Wilmington Section host to three-day instruments conference	1195	Obituary	1214	Method for presenting the response of temperature-measuring systems (A)	189
Standards. See ASME Codes and Standards Workshop		ASH, J. E.		Multipliers for nonlinear, compensation of control systems (A)	587
Student Branches		Measurements of relative flow distribution in mixed-flow impellers (A)	283	North American Control Conference formed to advance science of automatic control	506
Planning a student section meeting on industrial indoctrination	211	ASHMEAD, RICHARD ROBERT		Phase-space method for analysis of nonlinear control systems (A)	189
Regional Conferences demonstrate ASME activities and promote professional development	1094	Obituary	1214	Punch-card-controlled steel mill (A)	271
Regional Student Conference winners, 1957	318	ASSEMBLY LINES. See MANUFACTURING		Responses of temperature-sensing-element analogs (A)	188
Technical digest of ASME papers	46, 184, 282, 374, 472, 580, 674, 768, 878, 960, 1060	ATKINSON, C. P.		Signal stabilization of a control system (A)	486
Textile Engineering Division Conference, 1957	315	Superharmonic oscillations as solutions to Duffing's equation as solved by an electronic differential analyzer (A)	970	Standardization of automatic controls terminology	819
Woman's Auxiliary		ATOMIC ENERGY. See also HIGH-TEMPERATURE RESEARCH, POWER, POWER PLANTS—NUCLEAR, RADIOGRAPHIC INSPECTION		Statistical treatment of sampled-data control systems for actual random inputs (A)	585
Annual meeting, 1956	119	ASME joins other societies planning "Atomic energy applications with reference to underdeveloped countries"; an AEC survey	604	Technical memoranda, Instruments &	
Report on scholarship funds	906	AEC announces first Unclassified Engineering Materials List	311		
Wood Industries Conference, 1957	706				
AMPLIFIERS. See AUTOMATIC CONTROL					
ANALOGY. See COMPUTERS, ELECTRIC ANALOGY					

AUTOMATIC CONTROL (continued)	
Regulators Division (A).....	486
Universal features of the Portland combustion control system (A).....	1162
AUTOMATIC DISPATCHING. <i>See</i> POWER SYSTEMS	
AUTOMATIC LOGGING. <i>See</i> POWER SYSTEMS	
AUTOMATION. <i>See</i> MANUFACTURING, WOODWORKING	
AUTOMOBILES. <i>See</i> MOTOR VEHICLES	
AVERY, GEORGE RAYMOND	
Obituary.....	1214
AWARDS. <i>See</i> HONORS AND AWARDS	

B

BACHELER, A. T.	
Modern adjustable-speed drives for textile machinery (A).....	1168
BACKER, W. R.	
On the basic mechanics of the grinding process (A).....	378
BAUGHMAN, P. F.	
What do modern high-pressure boilers demand of feedwater? (A).....	480
BAHN, GILBERT S.	
Technical ghostwriting (D).....	975
BAIL, J. H.	
Discussion of an application of automatic digital-data-collecting system to boiler testing.....(A)772,	1016
BAILEY, ALBERT	
Obituary.....	626
BAILEY, DANA HAMILTON	
Obituary.....	1214
BAILEY, H. E.	
Gas dynamics. Vol. 1, applied mathematics and mechanics (BK).....	688
BAILEY, J. J.	
Type of flame-excited oscillation in a tube (A).....	971
BAKER, H. D.	
Model method for determining geometric factors in solid-to-solid radiation heat transfer (A).....	880
BAKER, J. M.	
Design features of a gas turbine for a supercharged boiler (A).....	1166
BAKER, RAYMOND	
Obituary.....	1106
BALANCING. <i>See</i> ENGINE BALANCING	
BALCHER, MARION J.	
Receives Charles T. Main Award.....	73
BALDWIN, E. E.	
Neutron radiation effects on tensile and impact properties of ASTM-A302 B steel.....	261, 782
BALEKJIAN, G.	
Heat transfer from superheated vapors to a horizontal tube (A).....	1068
BALMFOORD, J. A.	
Analysis of a process-fluid-flow network by electrical analogy.....	590
BANFIELD, FREDERIC E., JR.	
Obituary.....	826
BARBER, A. D.	
Dynamic response of beams and plates to rapid heating (A).....	970
BARBER, EVERETT M.	
Biography.....	72
Receives Richards Memorial Award....	72
BARBER, HAROLD DALE	
Obituary.....	714
BARBIER, J. E.	
Engineering—tooled for action (A)....	484
BARER, R. D.	
Failure of a welded drying drum (D)....	684
BARK. <i>See</i> FUELS	
BARKER, JOSEPH WARREN	
Elected president of EJC for 1957.....	108
1956—Then What?—Suggestions for future ASME activities.....	4
BARKLEY, WALTER RUSSELL	
Obituary.....	826
BARNHART, K. E., JR.	
Stresses in beams during transverse impact (A).....	970
BARON, M. L.	
Response of nonlinearly supported spherical boundaries to shock waves (A)....	886
BARNETT, WALTER J.	
Elected president of AIEE.....	1183

BARS	
Displacements in a wide curved bar subjected to pure elastic-plastic bending (A).....	884
Longitudinal impact of a semi-infinite circular elastic bar (A).....	287
BARTAR, J. G.	
Estimation of temperature patterns in multiply shielded systems (A).....	376
BARTH, W. L.	
Retires from standards posts.....	321
BARTHALAN, M. E.	
French experience with free-piston engines.....	428
BASFORD, P. R.	
Properties of friction materials	
I. Experiments on variables affecting noise (A).....	886
II. Theory of vibration in brakes (A)....	886
BATCH, J. M.	
Heat transfer "beyond burnout" for forced-convection bulk boiling (A)....	768
BATES, G. O.	
Eight years of experience with inert gas equipment (A).....	1067
BATTERIES. <i>See</i> FUEL CELLS	
Nuclear battery (A).....	369
BAUDRY, R. A.	
Influence of load and thermal distortion on the design of large thrust bearings (A).....	775
Oil seals to provide positive lubrication on large or high-speed thrust bearings (A).....	774
BAVETTA, VINCENT EDWARD	
Obituary.....	1106
BAXTER, W. G.	
Thermal conductivity of insulating materials for use in nuclear reactors (A).....	1071
BEAMS. <i>See</i> BARS	
Beams of uniform strength subjected to uniformly distributed loading (A)....	380
Bending frequency of a rotating beam (A).....	107
Collapse strength of redundant beams after lateral buckling (A).....	382
Dynamic response of beams and plates to rapid heating (A).....	970
Interaction curves for shear and bending of plastic beams (A).....	884
Natural frequencies of nonuniform beams on multiple elastic supports (A).....	1072
Numerical procedure for calculating the large deflections of straight and curved beams (A).....	286
Photoelastic study of maximum tensile stresses in simply supported short beams under central transverse impact (A).....	1072
Response of beams and plates to random loads (A).....	286
Specific damping energy of fixed-fixed beam specimens (A).....	972
Stresses in beams during transverse impact (A).....	970
Study of the propagation of flexural waves in elastic beams (A).....	886
Vibration design charts (A).....	190
BEAN, HOWARD S.	
Receives AGA Award of Merit.....	206
BEAN, R. L.	
Special car for high, wide, and heavy shipments (A).....	682
BEARINGS. <i>See</i> LUBRICATION, RESEARCH	
Analysis of journal bearings with arbitrary load vector (A).....	52
Application of digital computers to bearing design (A).....	288
Bearings, lubricants, and lubrication—a digest of 1956 literature.....	842
Behavior of the lubricating film and side leakage of dynamically loaded bearings (A).....	1164
Biography.....	850
Effect of heat conductance on slider-bearing characteristics (A).....	776
Effect of lubricant inertia in journal-bearing lubrication (A).....	971
Experiments on gas-lubricated journal bearings (A).....	81
Fluid dynamic theory of gas-lubricated bearings (A).....	52
Influence of load and thermal distortion on the design of large thrust bearings (A).....	775
Inelasticity in gyro rotor bearings (A)....	1164
Oil seals to provide positive lubrication on large or high-speed thrust bearings (A).....	774
On the theory of grease-lubricated thrust bearings (A).....	52

BEARINGS (continued)	
Prediction of journal-bearing temperatures by the application of heat-transfer theory and data (A).....	775
Properties of misaligned journal bearings.....	50
Self-excited vibrations of an air-lubricated thrust bearing (A).....	1163
Solution of Reynolds equation for finite journal bearings (A).....	1164
Surface deformations in the hydrodynamic slider-bearing problem and their effect on the pressure development (A).....	1164
Testing dynamically loaded bearings	
I. A short history of bearing test machines (A).....	52
II. A diesel-engine bearing test machine (A).....	51
Theoretical and experimental analysis of hydrodynamic gas-lubricated journal bearings (A).....	1164
Universal bearing tester (A).....	51
BEATTIE, WAYNE STEVENSON	
Obituary.....	126
BELCHER, D. T.	
Thermodynamic properties of compressed water.....	939
BECHLEY, F. W.	
Professional experience (Digest).....	817
BEJARANO, JULIO G.	
Obituary.....	422
BELL, A. H.	
Determination of turbine-stage performance for an automotive power plant (A).....	580
BELL, K. J.	
Heat transfer and fluid friction during flow across banks of tubes (A).....	376
BELLOWS. <i>See</i> INSTRUMENTS—PRESSURE	
BELSHHEIM, R. O.	
Delayed-yield time effects in mild steel under oscillatory axial loads (A).....	188
BELTS. <i>See</i> MATERIALS HANDLING	
BERG, IRVING A.	
Psychological tests (D).....	496
BERGELIN, O. P.	
Heat transfer and fluid friction during flow across banks of tubes (A).....	376
BERGSON, LEROY SCOTT	
Obituary.....	826
BERGMAN, ELMER O.	
Biography.....	815
Failure of a welded drying drum (D)....	685
Nominated for Director (Codes and Standards).....	815
BERK, A. A.	
Use of the Bureau of Mines condensate-corrosion tester for the survey of return-line deterioration (A).....	480
BERRY, A. L.	
Peace River and Alaska Highway gas-gathering system (A).....	906
BERRY, J. R.	
Pressure gradient sheet for rating gas pipelines (A).....	1061
BERTOSKA, R. C.	
Vacuum metallurgy—the "age-old art of brazing," combined with vacuum techniques.....	1039
BETHEL, JAMES R.	
Handbook for small sawmill operators published.....	213
BETSER, A. A.	
Photoelastic study of maximum tensile stresses in simply supported short beams under central transverse impact (A).....	1072
BICKERTAFF, T. H.	
Air brakes for high-speed ultra-light-weight passenger trains.....	553
BIGGS, GEORGE A.	
Obituary.....	530
BIOLOGY	
Biotechnical problem of the human body as a heat exchanger (A).....	881
Effect of heated condenser discharge upon aquatic life (A).....	1160
BIOT, M. A.	
Elastic coefficients of the theory of consolidation (A).....	776
BIRKENBAK, R. C.	
Measurements of the total absorptivity for solar radiation of several engineering materials (A).....	880
BISHOP, C. A.	
Conductivity versus sodium by flame spectrophotometer in steam purity studies (A).....	480

- BISHOP, G. W.
Do engineers stand a chance in small, private enterprise (C)..... 1204
- BISSON, E. E.
On friction and lubrication at temperatures to 1000 F with particular reference to graphite (A)..... 1165
- BITS. *See* PETROLEUM-WELL EQUIPMENT
- BJORKLUND, I. S.
Heat transfer from a rotating cylinder with and without cross flow (A)..... 187
- BLACK, J. J.
Trailers in piggy-back operation from a manufacturer's point of view (A)..... 380
- BLACKALL, F. S., JR.
National standards in a modern economy (BR)..... 295
Recent technical and economic developments in Western Europe..... 27, 592
- BLACKWOOD, D. E.
40-ft personnel boat with gas-turbine propulsion-engine installation features and operating experience (A)..... 284
Shipboard gas-turbine engine tests..... 1119
- BLADES. *See* STEAM TURBINES
- BLAKE, FRANCIS EUGENE
Obituary..... 714
- BLASCHKE, T. C.
Design basis for cascade-type positional servomechanisms (A)..... 189
- BLASER, R. U.
Receives Charles B. Dudley Medal..... 1181
- BLAST FURNACES. *See* IRON AND STEEL MANUFACTURE
- BLATCHLEY, C. G.
Control of steam-jet vacuum pumps (A)..... 1169
- BLEIBERG, M. L.
Neutron radiation effects on properties of ASTM-A302 B steel (D)..... 781
- BLIXT, GUSTAF F.
Obituary..... 422
- BLOOD, R. H.
Development and field-testing of wire line retractable rock bits (A)..... 1065
- BLOWERS
Equivalent performance parameters for turboblowers and compressors (A)..... 185
- BLUEPRINTS. *See* STORAGE
- BLUMBERG, H. S.
Fabricated pressure piping as related to nuclear applications (A)..... 474
Metallurgical considerations of main steam piping for high-temperature, high-pressure service (A)..... 289
Requirements for fabrication of pressure piping as related to service (A)..... 1171
- BOBKO, R. P.
Promotion of dropwise condensation of several pure organic vapors (A)..... 583
- BOBO, R. A.
Reduced pressure drilling (A)..... 1170
- BOBROWSKY, A. R.
Analytical methods for performance estimates of free-piston gasifiers (A)..... 582
- BODNER, S. R.
General instability of a ring-stiffened, circular cylindrical shell under hydrostatic pressure (A)..... 383
- BOEHM, WILLIAM H.
Obituary..... 530
- BOGAR, W. H.
Fork truck stability—a study in moments (A)..... 379
- BOGGS, J. H.
Investigation of pressure drop through a rotating pipe (A)..... 1062
- BOHLMANN, E. G.
Stress-corrosion cracking problems in the homogeneous reactor test (A)..... 476
- BOILER AND PRESSURE VESSEL CODE OF ASME
Interpretations, 195, 393, 595, 784, 977, Revisions and addenda..... 198, 394, 596, 784, 979, 1177
- BOILER CORROSION
Low-temperature deposits and corrosion in boilers (A)..... 481
Use of the Bureau of Mines condensate-corrosion tester for the survey of return-line deterioration (A)..... 480
- BOILER FURNACES
Burning fluid coke (D)..... 386
- BOILER TESTS
Discussion of an application of automatic digital-data-collecting system to boiler testing (A)..... 772
- BOILERS. *See also* FRESHWATER TREATMENT
Application of automatic digital-data-collecting to boiler testing..... 1016
Boiler circulation theory (A)..... 870
Boiler vibration caused by combustion gas flow (A)..... 290
Chemical recovery boiler (A)..... 460
Heat-transfer studies of naval boilers (A)..... 965
- BOILING. *See also* HEAT TRANSFER
Bubble growth rates in boiling (A)..... 961
Correlation of nucleate boiling burnout data (A)..... 962
- BOLEY, B. A.
Dynamic response of beams and plates to rapid heating (A)..... 970
- BOLTS AND NUTS
Biggest boltmaker (A)..... 951
Fasteners for 900 F (A)..... 667
- BOND, R. K.
Engineering design, testing, and operation of the Gilsontite solids pipeline (A)..... 1171
- BONDING. *See* ADHESIVES
- BONI, FRANK
On the design of a liquid-metal-heated bayonet-tube steam generator (A)..... 973
- BONSALL, JUDSON
Obituary..... 530
- BOOK REVIEWS
Abacus of programs..... 99
Australia and the challenge of change..... 1175
Diesel operation and fault diagnosis..... 1077
The first one hundred and fifty years: a history of John Wiley and Sons..... 594
Foundations: design and practice..... 976
Gas dynamics. Vol. 1, applied mathematics and mechanics..... 688
Generation of electricity by wind power..... 392
Introduction to operations research..... 890
National standards in a modern economy..... 295
The next hundred years..... 1174
Professional amateur: the biography of Charles Franklin Kettering..... 498
Pump selection and application..... 593
- BOOKS RECEIVED IN LIBRARY..... 99, 194, 296, 392, 499, 594, 689, 783, 891, 976, 1078, 1175
- BORDEN, MORO MILLER
Obituary..... 714
- BORING. *See* MACHINE-SHOP PRACTICE
- BORN, J. S.
Some mixed boundary-value problems of the semi-infinite strip (A)..... 485
- BORON. *See* FUELS
- BOSTON, O. W.
Biography..... 71
Receives Blackall Machine Tool and Gage Award..... 71
- BOTELER, W. C.
Combined free and forced convection in a constant-temperature vertical tube (A)..... 965
- BOUDREAUX, G. S.
Reduced pressure drilling (A)..... 1170
- BOUNDARY LAYER. *See* FLOW OF FLUIDS
- BOWERMAN, R. D.
Experimental study of centrifugal-pump impellers (A)..... 186
- BOYD, D. M.
Reports on evolution of Japanese industrial revolution..... 789
- BOYD, WILLIAM WRAT
Obituary..... 422
- BRAKES. *See also* RAILROAD BRAKES
Properties of friction materials
I, Experiments on variables affecting noise (A)..... 886
II, Theory of vibration in brakes (A)..... 886
- BRAKING. *See* ELECTRIC MOTORS
- BRAND, HORACE HOLLISTER
Obituary..... 530
- BRAZING. *See* METALLURGY
- BRECKENRIDGE, J. R.
Analysis of energy exchange between man and his environment..... 1029
- BRICE, NORMAN E.
Obituary..... 626
- BRIDGERS, F. H.
Solar heat for a building..... 536
- BRIEFING THE RECORD..... 31, 169, 268, 356, 459, 563, 659, 754, 864, 944, 1044, 1145
- BRIGHAM, W. E.
Two-phase concurrent flow of liquids and air through inclined pipe (A)..... 1062
- BRITAIN, RICHARD JAMES, JR.
Obituary..... 1010
- BROACHING. *See* MACHINE-SHOP PRACTICE
- BROZKE. *See* NONFERROUS ALLOYS
- BROOKS, W. B.
Failure of a welded drying drum (D)..... 684
- BROWN, D. D., JR.
Problems encountered in the selection and use of air-cooled, heat-transfer equipment (A)..... 47
Atomic-powered locomotive? (D)..... 688
Transient thermodynamics of reactors and process apparatus (A)..... 477
- BROWN, HAROLD N.
Obituary..... 1214
- BROWN, HARRY WHEELER
Obituary..... 626
- BROWN, J. KENNETH
Conductivity versus sodium by flame spectrophotometer in steam purity studies (A)..... 480
- BROWN, L. G.
Automatic sanding..... 546
- BROWN, L. N.
Development and application of high density asphalt mastic coating (A)..... 1060
- BROWNE, FRANK ATWOOD
Obituary..... 1214
- BRUSQUINI, P. F.
Chipboard, the superior plywood-core material (A)..... 679
- BRUST, GEORGE A.
Obituary..... 1106
- BUBBLES. *See* BOILING
- BUCKETS. *See* STEAM TURBINES
- BUCKINGHAM, EARLE
Receives ASME Gold Medal..... 509
- BUCKLING
Buckling of initially imperfect cylindrical shells subject to torsion (A)..... 382
Buckling of rectangular plates with two unsupported edges (A)..... 1072
Buckling of thin cylindrical shell under hoop stresses varying in axial direction (A)..... 970
Collapse strength of redundant beams after lateral buckling (A)..... 382
Donnell type theory for asymmetrical bending and buckling of thin conical shells (A)..... 972
Symmetrical buckling of a series of uniformly loaded parallel struts supported by spot connections to a long thin plate (A)..... 385
- BUDD, RALPH
Receives AICE Award of Merit..... 101
- BUETTNER, KONRAD
Heat transfer and safe exposure time for man in extreme thermal environment..... 1031
- BURDICK, D. G.
Guided missiles call for airborne auxiliary power systems for purposes other than propulsion..... 733
- BURDICK, HERBERT
Obituary..... 326
- BURNOUT. *See* BOILING
- BURR, A. H.
Prediction of journal-bearing temperatures by the application of heat-transfer theory and data (A)..... 775
- BURTON, W. DEAN
Obituary..... 126
- BUSCH, W. H.
Floturn—a production process as well as a development (A)..... 967
- BUSH, P. D.
Design and testing of containment provisions for the engineering test reactor (A)..... 973
Engineering and construction of the engineering test reactor (A)..... 476, (Part II) 769
- BUVINGER, GEORGE A.
Obituary..... 530
- BYER, HENRY EDWARD
Obituary..... 826
- BYERS, HARRY RICHARD
Obituary..... 914
- BYRNE, W. H.
Member of 1957 ASME Council..... 94

C

- CABLES. *See also* ELECTRICAL CABLES
Motion and stress of an elastic cable due to impact (A)..... 886

- CACIOPPO, A. J.
Pilot information utilization: a study in human response dynamics (A)..... 486
- CALENDERING. *See* PLASTICS
- CALENDERS. *See* ROLLS
- CALHOUN, DALE C.
Burning fluid coke (D)..... 386
- CAMERON, D. H.
New type automatic dispatching system at Kansas City (A)..... 483
- CAMERON, G. W.
Mechanical design approach to simplified maintenance (A)..... 681
- CAMP, J. M.
Development and field-testing of wire line retractable rock bits (A)..... 1065
- CAMPBELL, C. B.
Eddystone superpressure unit (cond.)... 132
- CAMPBELL, DONALD
Obituary..... 1214
- CAMPBELL, G. P.
How to drill 6Al-4V titanium alloy..... 1025
- CAMPBELL, H. T.
Scheduling engineering design—a vital force in refinery operations (A)..... 1063
- CAMPBELL, R. K.
Tool-work-thermocouple compensating circuit (A)..... 479
- CAMS
Numerical method for determining cam-follower response (A)..... 1168
- CANDY, HARRY BEAVER
Obituary..... 826
- CARBIDES. *See* MACHINE TOOLS, METAL CUTTING
- CARBURIZING. *See* INDUSTRIAL FURNACES
- CARELLI, A.
Development of gas turbines for road vehicles..... 645
- CARLINS, OSWALD S.
Reducing power consumption in hydraulic circuits (AC)..... 495
- CARLSON, HAROLD C. R.
Biography..... 1205
Elected fellow of ASME..... 1205
- CARLSON, N. E.
Rail-highway co-ordination (A)..... 675
- CARLSON, P. G.
40-ft personnel boat with gas-turbine propulsion-engine installation features and operating experience (A).... 284
- CARLSON, R. D.
UO₂-NaK slurry studies in loops at 600 C (A)..... 472
- CARMINE, C. C.
Control of manpower and material by planning and scheduling maintenance work (A)..... 771
- CARNES, HERMAN WOOD
Obituary..... 126
- CARR, DOUGLAS BERNARD
Obituary..... 1010
- CARR, HUGH RODERICK
Obituary..... 126
- CARROLL, C. D.
Refueling systems for boiling-water reactors (A)..... 771
- CARTER, W. J.
Torsion and flexure of slender solid sections (A)..... 1167
- CARANOVIA B., MAURICIO
Engineer's working relations abroad (D). 1173
- CASEY, D. F.
Heat transfer to lead-bismuth in turbulent flow in an annulus (A)..... 187
- CASEY, JOHN EDWARD
Obituary..... 422
- CASINGS. *See* PETROLEUM-WELL EQUIPMENT
- CASSELMAN, R.
Case for the hollow core (A)..... 679
- CAST IRON
Flow and fracture of nodular cast iron (A)..... 188
- CASTINGS. *See* ALLOYS
- CAVITATION
Accelerated field test of cavitation intensity (A)..... 288
Cavitation in water turbines (A)..... 45
Photoelastic study of strain waves caused by cavitation (A)..... 886
Progress report on standardization of the vibratory-cavitation test (A)..... 185
- CEELY, F. J.
Effort to use a laboratory test as an index of combustion performance (A).... 53
- CEMENTED JOINTS
Theory of adhesive scarf joints (A)..... 285
- CENTRIFUGAL MACHINES
Heat transfer in thin-film, centrifugal processing units (A)..... 1070
Sizing of centrifugal separators for residual fuels (A)..... 677
- CERAMIC MATERIALS. *See* HIGH-TEMPERATURE MATERIALS, MACHINE TOOLS, METAL CUTTING
- CESS, R. D.
Heat transfer to fluids with low Prandtl numbers for flow across plates and cylinders of various cross sections (A). 1071
Heat transmission to fluids with low Prandtl numbers for flow through tube banks (A)..... 964
- CHADWICK, W. L.
Further steam-electric-generation expansion in Southern California (A)..... 772
- CHAINS. *See* DRIVES
- CHANDLER, HOWARD McCUNE
Obituary..... 914
- CHANG, YAN PO
Theoretical analysis of heat transfer in natural convection and in boiling (A).. 187
- CHAO, B. T.
Temperature distribution at tool-chip and tool-work interface in metal cutting (A)..... 479
Tool-work-thermocouple compensating circuit (A)..... 479
Transient inter-electrode temperatures in plain peripheral milling (A)..... 479
- CHAPMAN, W. R.
Missile auxiliary power-supply development (A)..... 969
- CHARTERS, W. W. S.
Dynamic response characteristics of gas turbines (A)..... 1166
- CHASE, CHARLES HARRIS
Obituary..... 1106
- CHATTERTON, E.
Future developments of the high-speed diesel engine (A)..... 282
- CHEMICAL ANALYSIS
Push-button analysis (A)..... 1052
- CHEMICAL ELEMENTS
Element 102 discovered—nobelium proposed as name (A)..... 869
- CHEMICAL INDUSTRY
Designing process plants in relation to maintenance (A)..... 878
Role of the mechanical engineer..... 18
Standardization of centrifugal chemical pumps (A)..... 878
- CHIPBOARD. *See* PLYWOOD
- CHIPS AND CHIP FORMATION. *See* METAL CUTTING
- CHISHOLM, CHARLES ROUNDS
Obituary..... 714
- CHISHOLM, D.
Two-phase flow in rough tubes (A)..... 968
- CHOU, Y. T.
Effect of lubricant inertia in journal-bearing lubrication (A)..... 971
- CHRISTIANSON, C. C.
Dynamic response study of a mechanical-hydraulic frequency-discriminator governor (A)..... 584
- CHROMIUM. *See also* ELECTROPLATING
- CHURCHILL, D. E.
Convective heat transfer from high-temperature air inside a tube (A)..... 1070
- CHUTE, A. T.
Design and testing of containment provisions for the engineering test reactor (A)..... 973
Engineering and construction of the engineering test reactor—Part II (A).. 769
- CISLER, WALKER LEE
Receives Washington Award..... 601
Young talent needed in atomic power field (A)..... 396
- CITIZENSHIP
The California Water Plan..... 858
Civic responsibility? (C)..... 491
Developing social awareness in engineers..... 457, (D) 1076
- CIVILIZATION
The next hundred years (BR)..... 1174
- CLAMPS. *See* PETROLEUM-WELL EQUIPMENT
- CLAPP, WILLIAM HOWARD
Obituary..... 218
- CLARK, A. G.
Appraisal of compressor-cylinder cooling requirements (A)..... 677
- CLARK, A. V.
Simplified method for the study of two-dimensional transient heat flow using resistance paper (A)..... 583
- CLARK, J. W.
Specific damping energy of fixed-fixed beam specimens (A)..... 972
- CLARK, JOHN A.
Biography..... 73
Dynamic response of heat exchangers having internal heat sources..... 963
Part I (A) 880, Part II (A) 73
Receives Pi Tau Sigma Gold Medal..... 73
- CLARK, P. M.
Control-rod and drive mechanism for the engineering test reactor (A)..... 769
- CLARK, R. N.
Compensation of steady-state flow forces in spool-type hydraulic valves (A)..... 185
- CLARKE, CHARLES W. E.
Biography..... 68
Honorary Member of ASME..... 68
- CLARY, FRANK ALFRED, JR.
Obituary..... 126
- CLAY
Transient heat flow determination of the thermal properties of clay (A)..... 377
- CLOCKS
Tercentenary of the pendulum clock (A)..... 182
- CLORAN, EVERETT MICHAEL
Obituary..... 218
- CLORITE, P. A.
Influence of various grinding conditions upon residual stresses in titanium (A). 479
- CLOUGH, W. R.
Flow and fracture of nodular cast iron (A)..... 188
- COAL
Determination of heat content of coal by regression analysis (A)..... 53
Evaluating coal by utilization cost (A) 383
Sound methods of solid fuel evaluation for use in thermal power stations (A). 1169
Thermal stabilization of anthracite by calcination (A)..... 1170
Trends and prospects in coal..... 550
- COAL HANDLING
Discussion of dust suppression in coal handling (A)..... 481
Self-discharging collier (A)..... 1052
- COATINGS
Development and application of high density asphalt mastic coating (A).... 1060
New materials that the design engineer should know about..... 720
- COCKRAM, WILLIAM
Obituary..... 714
- CODES. *See* subject of code
- COFFIN, L. F., JR.
Investigation of thermal stress fatigue as related to high-temperature piping flexibility (A)..... 483
- COHEN, E. S.
Radiant heat exchange in a gas-filled enclosure (A)..... 1069
- COHEN, EDGER FABIAN
Obituary..... 1010
- COHEN, H.
Two-dimensional, steady, cavity flow about slender bodies in channels of finite breadth (A)..... 381
- COHEN, L.
Heat-transfer studies of naval boilers (A)..... 965
- COLE, W. H.
Experimental investigation of critical design factors for vane-type cyclone collectors (A)..... 590
- COLLIERS. *See* COAL HANDLING
- COLLINS, FRANCIS ALTON
Obituary..... 826
- COLLIPI, BRUCE G.
Offshore mobile units—present and future..... (A) 48, 335
- COMBUSTION
Effect of intake combustion-air conditioning on performance of spark ignition gas engines (A)..... 678
Effort to use a laboratory test as an index of combustion performance (A)..... 53
Ignitibility testing as a measure of the burning characteristics of solid fuels (A)..... 52
Progress report—Ignitibility of solid fuels and burning rates of fixed carbon (A)..... 53
- COMBUSTION CONTROL. *See* AUTOMATIC CONTROL

- COMBUSTORS. *See* GAS TURBINES
- COMES, R. N.
High-horsepower Banbury mixing (A)... 292
- COMMUNICATIONS
Design of multivariable optimum filters (A)... 585
- COMPRESSED AIR
Ice-free navigation (A)... 362
- COMPRESSIBILITY
Elastic coefficients of the theory of consolidation (A)... 776
- COMPRESSORS
Aerodynamics design of vane diffusers for centrifugal compressors (A)... 283
Appraisal of compressor-cylinder cooling requirements (A)... 677
Automatic, spray desuperheating, closed system for testing compressors (A)... 482
Bibliography on free-piston engines and compressors... 339
Equivalent performance parameters for turbo-blowers and compressors (A)... 185
Investigation of the interaction of windage and leakage phenomena in a centrifugal compressor (A)... 482
Modernizing compressor station piping (A)... 1061
Operating considerations in the application of gas-turbine-driven centrifugal pipeline compressors (A)... 46
Recovery ratio—a measure of the loss recovery potential of compressor stages (A)... 478
Remote-controlled, engine-driven, centrifugal, gas-compressor station (A)... 48
Skewed boundary-layer flow near the end walls of a compressor cascade (A)... 377
Teflon-based piston rings for nonlubricated applications... 838
Two-dimensional inflow conditions for a supersonic compressor with curved blades (A)... 381
Two-stage free-piston engine (A)... 954
- COMPUTERS
ASME Instruments and Regulator Division joins AIEE and IRE in meeting on computers in control... 903
Analog computer symposium proceedings published by Midwest Research Institute... 604
Application of an analog computer to the measurement of process dynamics (A)... 49
Application of digital computers to bearing design (A)... 288
Automatic computing for process-unit operating guides (A)... 966
Computer application in forecasting daily peak loads for an electric utility (A)... 568
Computer applications in the power industry (A)... 968
Computer-controlled shipping center (A)... 1044
Computer representations of engineering systems involving fluid transients (A)... 186
Desk-side electronic computer (A)... 1046
Graphical versus computer techniques for mechanism analysis (A)... 383
Method for solving problems of irrotational gas flow by means of high-speed digital computers (A)... 971
New "brain" for solving business management problems (A)... 359
Small electronic brain (A)... 660
Supercomputer for Los Alamos Scientific Laboratory (A)... 34
Two applications of a digital computer to machine design problems (A)... 280
U. S. in midst of switching revolution (A)... 510
University computer center (A)... 40
Use of digital computers in the mechanical design of large steam turbines (A)... 288
Use of high-speed computers in the design and appraisal of helical gears (A)... 486
- CONANT, LAWRENCE W.
Industrial engineering—a definition and forecast (D)... 495
- CONDENSATION
Promotion of dropwise condensation of several pure organic vapors (A)... 583
- CONDENSERS. *See* STEAM CONDENSERS
- CONDUITS. *See* FLOW OF FLUIDS
- CONRAD, J. C.
Operating experience with high-temperature steam rotors and design improvements in rotor blade fastening (A)... 1161
- CONSOLIDATION. *See* COMPRESSIBILITY
- CONTAINMENT VESSELS. *See* POWER PLANTS—NUCLEAR, STRUCTURES
- CONTAMINATION. *See* RADIOACTIVITY
- CONTROL. *See* AUTOMATIC CONTROL, NATURAL-GAS PIPELINES, POWER PLANTS—NUCLEAR, RADIOACTIVITY, REMOTE CONTROL
- CONVECTION. *See* HEAT TRANSFER
- CONVEYERS. *See* MATERIALS HANDLING
- CONWAY, H. D.
Numerical procedure for calculating the large deflections of straight and curved beams (A)... 286
- COOGAN, CHARLES H., JR.
Receives honorary membership in Pi Tau Sigma... 507
- COOK, CHARLES BANNISTER
Obituary... 714
- COOKE, MORRIS LLEWELLYN
Civic responsibility? (C)... 491
- COOLING SYSTEMS
Appraisal of compressor-cylinder cooling requirements (A)... 677
Basic equations for predicting performance of a nuclear power plant pressurizer (A)... 473
Design and development of the coolant system for the sodium reactor experiment (A)... 472
Gas coolant for nuclear reactors (A)... 473
Heat-transfer considerations in the use of organic reactor coolants (A)... 474
Pumps for nuclear power plants (A)... 1071
Total normal emissivity measurements for porous materials used for mass-transfer cooling (A)... 472
Use of boiling water as a reactor coolant (A)... 472
- COOLING TOWERS
Cooling towers for steam-electric stations—selection and performance experiences (A)... 191
Instrumenting a field study of industrial water-cooling tower performance (A)... 288
- COON, G. A.
Responses of temperature-sensing-element analogs (A)... 188
- COOPER, G. D.
Oil seals to provide positive lubrication on large or high-speed thrust bearings (A)... 774
- COOPER, G. T.
Heat transfer between fluidized solids beds and boundary surfaces—correlation of data (A)... 1070
- COOPER, R. M.
Cylindrical shells under line load (A)... 970
- COOPER, M. S.
Toward unity? AIEE, president's report on suggested division of activities of AIEE, ECPD, EJC, and NSPE... 693
- COPIAN, L. P.
Pulp-and-paper-mill trends toward integrating power and bark-burning boilers (A)... 583
- CORBETT, J. W.
Importance of the mechanical engineer to the railroad industry... 929
- CORE MATERIALS. *See* WOOD INDUSTRIES
- CORROSION. *See* also BOILER CORROSION
Cast stainless pumps for corrosive environments (A)... 757
Corrosion prevention of railroad cars (A)... 674
Stress-corrosion cracking problems in the homogeneous reactor test (A)... 476
- COST ANALYSIS
How to analyze the cost of machine tools (D)... 391
- COUCH, A. L., JR.
Production engineering of solid-fuel rocket motors (A)... 582
- COULTER, S. B.
Importance of matching steam temperatures with metal temperatures during starting of large steam turbines (A)... 483
- COURVOISIER, PETER
The solar engine: an analysis... 445
- COWING, GUY R.
Distinguishing characteristics of mechanical engineers... 649
- COWLEY, P. E. A.
Application of an analog computer to the measurement of process dynamics (A)... 40
- COX, A. R.
Gas-turbine generating experience of West Texas Utilities Company (A)... 580
- COX, FRANK GARDNER
Obituary... 914
- CRACK PROPAGATION. *See* STRESSES AND STRAINS
- CRANDALL, S. H.
Improvement of the Holzer table based on a suggestion of Rayleigh's (A)... 285
- CRANES. *See* HOISTING MACHINERY, IRON AND STEEL MANUFACTURE
- CRANKS. *See* MECHANISMS
- CREAGAN, ROBERT J.
Yankee pressurized-water reactor (cond.)... 236
- CREDE, CHARLES E.
Biography... 812
Nominated for Regional Vice-President... 812
- CREEP OF MATERIALS. *See* also METAL CREEP
Creep of thick tubes under internal pressure (A)... 972
- CROFT, HUBER O.
Biography... 1205
Elected Fellow of ASME... 1205
- CRONIN, E. W.
Penton—a new chlorine-containing polyether (A)... 292
- CROSBIE, R.
Measurement of the heating of the skin during exposure to infrared radiation... 1033
- CROSSATT, J. W.
Corrosion prevention of railroad cars (A)... 674
- CROUCH, JOEL ELMER
Obituary... 1106
- CRYSTALLOGRAPHY
Iron crystal whiskers (A)... 170
- CRISKE, JOHN J.
Obituary... 1010
- CULLMORE, ALLEN REGINALD
Obituary... 126
- CUNNINGHAM, JAMES D.
Receives Missouri Honor Award for Distinguished Service in Engineering... 508
- CUNNINGHAM, R. G.
Jet-pump theory and performance with fluids of high viscosity (A)... 186
- CURELL, C. O.
Aluminum in freight cars (A)... 674
- CURREAN, R. M.
Austenitic steels in high-temperature steam piping (A)... 484
- CURTICE, H. H.
What's ahead for business? (A)... 106
- CUTCLIFFE, J. L.
Symmetrical buckling of a series of uniformly loaded parallel struts supported by spot connections to a long thin plate (A)... 885
- CYCLONES. *See* DUST COLLECTORS, DUST SEPARATORS, PETROLEUM REFINING
- CYLINDERS. *See* also PRESSURE VESSELS, SHELLS
Radial deflections of a cylinder subjected to equal and opposite concentrated radial loads (A)... 284
- CYSTOSCOPE. *See* INSTRUMENTS

D

- D'ABUSCO, J. S.
Guided missiles call for airborne auxiliary power systems for purposes other than propulsion... 733
- DALZIEL, R. C.
Impact of atomic energy on fossil fuels (A)... 54
- DAMS
Serre Ponçon Dam (A)... 183
- DANNENBERG, K. K.
Production engineering of large liquid-fuel rocket engines (A)... 582
- DARLING, H. N.
Military petroleum logistics (A)... 1063
- DART, WILLIAM CRARY
Obituary... 1214
- DATA-COLLECTING SYSTEMS. *See* INSTRUMENTS
- DAVIS, D. S.
Alignment diagrams (D)... 492
- DAVIS, GEORGE HENRY
Obituary... 914
- DAVIS, HUNT
Equivalent performance parameters for turboblowers and compressors (A)... 185
- DAY, C. E., JR.
Evaluating coal by utilization cost (A)... 383

- DEAN, DION KANOUSE
Obituary..... 914
- DECKER, A. L.
Mechanical seals for nonlubricating hydrocarbons (A)..... 1067
- DECONTAMINATION. *See* RADIOACTIVITY
- DE CORIOLIS, E. G.
Named "Engineer of the Year for 1957" by Toledo Technical Council... 508
- DE FOREST, D. R.
Investigation of the generator rotor burst at the Pittsburgh Station of the Pacific Gas and Electric Company (A)..... 1162
- DEFORMATION
Deformation of elastic paraboloid shells of revolution (A)..... 885
On the principle of Haas and von Karman in statistically determinate problems of plasticity (A)..... 777
Practical solution of plastic deformation problems in the elastic-plastic range (A)..... 478
- DEICHLER, J. K.
Selection of materials for construction of catalytic reforming units (A)..... 47
- DE LAPOTTERIE, HARRY
Obituary..... 1214
- DEMOLITION
Powder-lancing for concrete removal (A)..... 1149
- DENISON, E. W.
Automation and new methods for overhaul (A)..... 680
- DE SILVA, C. NEVIN
Deformation of elastic paraboloid shells of revolution (A)..... 885
- DE VRIES, REIMIER PYL
Obituary..... 714
- DEWEY, SYDNEY LENNON
Obituary..... 1106
- DHANAK, A. M.
Momentum and mass transfer by eddy diffusion in a wetted-wall channel (A)..... 1069
- DIAMONDS
Synthetic diamonds ready for production (A)..... 1154
- DIAPHRAGMS
Diaphragm characteristics (A)..... 486
Some suggestions for research in diaphragm technology (A)..... 487
- DICK, I. B.
Failure of a welded drying drum (D).... 685
- DICKEY, PAUL SMITH
Biography..... 1206
Elected Fellow of ASME..... 1206
- DICKINSON, JOHN A.
Receives honorary degree from Stevens Institute of Technology..... 416
- DICKINSON, N. L.
Heat transfer to supercritical water (A).... 963
- DICKINSON, R. O., JR.
Fresh approach to aircraft landing-gear design (A)..... 679
- DIE CASTING
Aluminum investment casting (A)..... 1155
- DIESEL ENGINES. *See also* LOCOMOTIVES—DIESEL
Chromium plating development at the U. S. Naval Engineering Experiment Station (A)..... 677
Design and development of a two-cycle turbocharged diesel engine (A)..... 380
Diesel operation and fault diagnosis (BR)..... 1077
Future developments of the high-speed diesel engine (A)..... 282
Test equipment for use in diesel engine maintenance (A)..... 675
Testing dynamically loaded bearings—II. A diesel-engine bearing test machine (A)..... 51
Use of heavy fuel in high-speed diesel engines as river towboats (A)..... 676
- DIETS, A. G. H.
Developments in plastics engineering (D)..... 783
Fire safety of engineered timber construction (D)..... 1075
- DIFFERENTIAL ANALYZERS. *See* MATHEMATICS
- DIFFUSERS. *See* COMPRESSORS, FLOW OF FLUIDS
- DILL, RICHARD S.
Obituary..... 914
- DISKS. *See also* FLOW OF FLUIDS
Stress distributions in rotating disks subjected to creep including effects of variable thickness and temperature (A)..... 383
- DISTILLATION
Vacuum flash distillation of sea water (A)..... 878
- DI TARANTO, R. A.
Natural frequencies of nonuniform beams on multiple elastic supports (A)..... 1072
- DITTRICH, R. T.
Pressure drop and air flow distribution in gas-turbine combustors (A)..... 478
- DIXON, EDGAR OGLE
Obituary..... 218
- DOI, S.
Experimental study on chatter vibrations in grinding operations (A)..... 378
- D'OMBRAIN, G. L.
Effect of a logarithmic element in an otherwise linear process-control system (A)..... 49
- DONOVAN, J.
Heat transfer in thin-film, centrifugal processing units (A)..... 1070
- DONWORTH, ROBERT B.
Receives Prime Movers Committee Award..... 73
- DORN, J. E.
Effects of stress on creep at high temperatures (A)..... 285
- DOSKER, C. D.
Core materials for plywood—standard lumber cores (A)..... 679
- DOUGLASS, DWIGHT
Receives honorary membership in Pi Tau Sigma..... 507
- DOUMAS, M.
Spray-dryer design calculations (A)..... 590
- DOWER, E. J.
Selection of carbide-tipped saw blades for optimum performance (A)..... 678
- DOWN, SIDNEY GEORGE
Obituary..... 218
- DOYLE, WILLIAM L. H.
Biography..... 1206
Elected Fellow of ASME..... 1206
- DRAFT GEARS. *See* RAILROAD CARS
- DRAFTING PRACTICE
Techniques of drawing in the third dimension (A)..... 583
- DRAKE, W. B.
Heat transfer to flow in a round tube with arbitrary velocity distribution (A)..... 965
- DRAKE, WILLIAM VICTOR
Obituary..... 914
- DRILLING. *See also* PETROLEUM-WELL EQUIPMENT
How to drill 6AL-4V titanium alloy..... 1025
Spiral drill point (A)..... 1146
- DRIVER. *See also* ELECTRIC MOTORS
Power drives for warp-preparation machines (A)..... 1168
Proved concepts in oil field roller chain drive selection (A)..... 1066
- DROP H. MMER
Impact stresses in drop-hammer guides (A)..... 588
- DROPPIN, D.
Heat-transfer rates to cross-flowing mercury in a staggered tube bank—II (A)..... 964
Prediction of journal-bearing temperatures by the application of heat-transfer theory and data (A)..... 775
- DRYING
Spray-dryer design calculations (A)..... 590
- DU BOIS, G. B.
Properties of misaligned journal bearings (A)..... 50
- DUCTS. *See* HEAT TRANSFER
- DUFFY, J.
Stress-strain relations and vibrations of a granular medium (A)..... 776
- DUKELETH, E. A.
Design and testing of containment provisions for the engineering test reactor (A)..... 973
Engineering and construction of the engineering test reactor—Part II (A).... 769
- DUNK, A. C.
Resistance to rolling and sliding (A)..... 682
- DUNN, C. P.
Engineer's working relations abroad..... 432
- DUNNING, JOHN R.
U. S. must meet USSR challenge to maintain strength, progress (A)..... 1082
- DURAND, WILLIAM F.
Receives scroll of commendation from the Community Councils of the City of New York..... 399
- DURELLI, A. J.
Experiments for the determination of transient stress and strain distribution in two-dimensional problems (A)..... 286
- DURST, S. H.
Core materials for plywood—standard lumber cores (A)..... 679
- DUST. *See* COAL HANDLING
- DUST COLLECTORS. *See also* ELECTRICAL PRECIPITATORS
Dust and fume control..... 1022
Experimental investigation of critical design factors for vane-type cyclone collectors (A)..... 590
Filter-type dust collector (A)..... 762
High-efficiency fly-ash collectors (A).... 867
Wet-inertial dust collector (A)..... 759
- DUST SEPARATORS
Head loss in flow through a cyclone dust separator or vortex chamber (A)..... 382
- DWYER, H. L.
Industrial plant installation of a gas turbine to generate power and process steam (A)..... 48
- DWYER, O. E.
Heat-transfer rates to cross-flowing mercury in a staggered tube bank—II (A)..... 964
- DYNAMICS. *See also* GAS TURBINES, GASES
Some dynamics of the golf shot (A)..... 587

E

- EARTH SATELLITES
Computing satellite path (A)..... 864
Sputniks (A)..... 1145
- EASTMAN, FRED CECIL
Obituary..... 422
- ECKERD, J. W.
Thermal stabilization of anthracite by calcination (A)..... 1170
- ECKERT, E. R. G.
New method to measure Prandtl number and thermal conductivity of fluids (A)..... 380
Review of heat-transfer literature—1956. Total normal emissivity measurements for porous materials used for mass-transfer cooling (A)..... 1071
- ECKLUND, E. EUGENE
Practical EnginScope for field maintenance (A)..... 677
- ECONOMICS
Recent technical and economic developments in Western Europe..... 27, (D) 592
- EDDISON, W. BARTON
Receives Trinks Industrial Heating Award..... 1181
- EDITORIALS
Annual meeting..... 1015
Dr. Irving Langmuir..... 919
EBWR in operation..... 223
Free exchange of knowledge..... 3
High-school science teaching..... 331
Improving science instruction..... 831
International Geophysical Year..... 535
Joseph Leonard Kopf—a tribute..... 1111
Meetings deadline dates..... 427
Nuclear congress and unity..... 131
Nuclear engineering..... 223
Power magazine celebrates 75 years..... 1015
Silent lecturers: Arthur T. Vanderbilt and Piero Ferrier..... 719
Toward unity?..... 631
- EDGE, R.
Design of supersonic expansion nozzles and calculation of isentropic exponent from chemically reacting gases (A).... 379
- EDUCATION
ASME forum on education..... 893
ASME Woman's Auxiliary reports on scholarship funds..... 906
Classroom first line of defense in fight to wipe out engineering manpower shortage..... 893
Cooper Union and training the "uncommon" man..... 205
Co-operative education—where it stands, its place in the future (A)..... 690
"Engineering enrollment in the United States"; a study published by N.Y.U. Press..... 604
Fellowships in nuclear-energy technology available..... 103
Freeman Fellowships available in 1957 for study or research in hydraulics..... 118
Graduate study in mechanical engineering..... 157
Graduate-study program for Western Electric engineers..... 1189
High-school science teaching (Ed)..... 331

- EDUCATION (continued)**
- Improving science instruction (Ed) 831
 - Industry participates in exchange of students for technical experience 315
 - Integrated educational system needed 458
 - Model schools for gifted students proposed (A) 109
 - Novel thermodynamics course at Lehigh reviewed at year's end 600
 - Technical education is topic of Columbia University engineering conference 402
 - U. S. must meet USSR challenge to maintain strength, progress (A) 1082
 - What effect have recent inventions and discoveries had on engineering curriculums and education? 1079
 - Young mechanical engineering in teaching 414
- EDWARDS, W. T.**
- Psychological tests (D) 497
- EGGEN, D. T.**
- Design and development of the coolant system for the sodium reactor experiment (A) 472
- EICHBERGER, L. C.**
- Nonhomogeneous yielding of steel cylinders; 1—mild steel (A) 188
- EICHORN, R.**
- Description of a new sensitive micromanometer (A) 881
- EIGENBROT, JOHN L.**
- Obituary 626
- EIGENVALUES. See MATHEMATICS**
- EJECTORS. See PUMPS—JET**
- EKLUND, JOEL**
- Obituary 218
- ELASTICITY. See also PLASTICITY**
- Elastic moduli measurement by ultrasonic technique (A) 755
 - Mixed boundary-value problem of elasticity with parabolic boundary (A) 383
 - Motion and stress of an elastic cable due to impact (A) 886
- ELECTRIC ANALOGY**
- Analog study of a high-speed recording servomechanism (A) 586
 - Analysis of a process-fluid-flow network by electrical analogy (A) 500
 - Criteria for validity of lumped-parameter representation of ducting air-flow characteristics (A) 49
 - Dynamic study of an experimental pneumatic process-pressure transmitter (A) 587
 - Effectiveness of stub fins as determined by the Teledeltos paper analog (A) 900
 - Performance prediction for a process heat-and-power complex by resistance concept (A) 775
 - Responses of temperature-sensing-element analogs (A) 188
 - Simplified method for the study of two-dimensional transient heat flow using resistance paper (A) 583
- ELECTRIC CABLES**
- Electrical cable in tape form with polyester insulation (A) 872
- ELECTRIC MOTORS**
- D-c braking of a-c motors in the textile industry (A) 1168
 - Modern adjustable-speed drives for textile machinery (A) 1168
 - Modern textile motors (A) 1169
 - Vibration modes of stators of induction motors (A) 285
- ELECTRICAL EQUIPMENT**
- Mechanical problems involved in short circuits on core-form power-transformer coils (A) 682
- ELECTRICAL PRECIPITATORS**
- Automated precipitators (A) 365
- ELECTRONICS. See also AUTOMATIC CONTROL**
- "Spacistor" semiconductor for amplification in electronic devices (A) 871
- ELECTROPLATING**
- Chromium plating development at the U. S. Naval Engineering Experiment Station (A) 677
 - Plating-machine design (A) 952
- ELGAR, E. C.**
- Modes of adiabatic and diabatic fluid flow in an annulus with an inner rotating cylinder (A) 964
- ELLIOTT, V. A.**
- Dresden boiling-water reactor (cond.) 238
- ELROD, H. G., JR.**
- New finite-difference technique for solution of the heat-conduction equation, especially near surfaces with convective heat transfer (A) 290
- ELSESSER, T. M.**
- Influence of repeated bending loads on biaxial residual stresses in shot-peened plates (A) 188
- ELWELL, R. C.**
- Theoretical and experimental analysis of hydrodynamic gas-lubricated journal bearings (A) 1164
- EMPLOYMENT. See also ENGINEERS' EARNINGS**
- ASME survey shows industry must revamp battle of engineers shortage 409
 - Do engineers stand a chance in small, private enterprise? 908, (C)
 - Do the oldsters want jobs? ESPS wants to know 122
 - Psychological tests (D) 496
 - Young mechanical engineering in teaching 414
- EMULSIFIERS. See ULTRASONICS**
- ENERGY. See POWER**
- ENGINE ANALYZERS**
- Industrial-engine analyzer (A) 1047
- ENGINE BALANCING**
- Engine balancer for motor vehicles (A) 865
- ENGINEERING. See also MANAGEMENT, MANUFACTURING**
- Electronic data processing machines; controls for design and engineering procedures 632
 - Engineering Exhibition, London (A) 1058
 - Golden age of engineering (A) 405
 - Organize your engineering project (A) 1172
 - Recent technical and economic development in Western Europe 27, (D)
 - 592
- ENGINEERING CENTER**
- UET report highlights new Engineering Center in New York 103
 - UET reveals site of new Engineering Center in New York 816
- ENGINEERING DRAWINGS. See FILING SYSTEMS**
- ENGINEERING FOUNDATION**
- Foundation grants for 1955-56 105
 - Makes grants to 28 projects 790
- ENGINEERING INSTITUTE OF CANADA**
- Annual meeting, Banff, 1957 787
- ENGINEERING PROFESSION**
- Professional development for the young engineer 1093
 - Report from Dixie on the professional development of the young engineer 620
 - What can the young engineer do to develop professionally? 817
 - Your future demands a survey of the engineering profession 1037
- ENGINEERING PUBLICATIONS**
- AEC announces first: *Unclassified Engineering Materials List* 311
 - "Creative Engineering" a recent compilation of nine papers issued by ASME 208
 - The first one hundred and fifty years: a history of John Wiley and Sons (BR) 594
 - Free exchange of knowledge (Ed) 3
 - "The IBM Journal of Research and Development," started in 1957 208
 - Literature notes 1190
 - Power magazine completes 75 years (Ed) 1015
 - Second Nuclear Engineering and Science Conference proceedings published 1105
- ENGINEERING SOCIETIES. See also INSTITUTION OF MECHANICAL ENGINEERS**
- ASME and ARS plan assures broader co-operation 1186
 - EJC and affiliate member societies 20
 - Meetings of other societies 101, 108, 206, 304, 399, 403, 507, 510, 603, 605, 810, 895, 986, 1081, 1180, 1189
 - Toward unity? (Ed) 631
 - Toward unity? AIEE president's report on suggested division of activities of AIEE, ECPD, EJC, and NSPE 693
- ENGINEERING SOCIETIES LIBRARY**
- Annual report, 1956 104
- ENGINEERING SOCIETIES PERSONNEL SERVICE, INC.**
- Do the oldsters want jobs? ESPS wants to know 122
 - Positions available 122, 215, 322, 418, 526, 623, 712, 822, 910, 1007, 1103, 1210
- ENGINEERS. See also WOMEN ENGINEERS**
- ASME survey shows industry must revamp battle of engineers shortage 409
 - Are engineers professional? (C) 1076
 - Developing social awareness in engineers 457, (D)
 - Distinguishing characteristics of mechanical engineers 649
 - Engineer's working relations abroad 1173
 - From junior to project engineer 710
- ENGINEERS (continued)**
- Graduate study in mechanical engineering 157
 - Human factors in engineering management 152, (D)
 - Personality factors in engineering practice (A) 974
 - Young engineer in a small company 524
- ENGINEERS' COUNCIL FOR PROFESSIONAL DEVELOPMENT**
- Affiliation of ECPD and EJC 160
 - 24th annual report presented 604
- ENGINEERS' EARNINGS**
- Are engineers underpaid? A panel discussion 165
 - Engineers' starting salaries continue spiraling upward 905
 - "The professional income of engineers—1956", an EJC report 604
 - Trends in professional compensation 316
- ENGINEERS JOINT COUNCIL**
- Affiliation of ECPD and EJC 160
 - Annual report, 1956 604
 - EJC and affiliate member societies 20
 - General Assembly, January, 1957 114
 - Third annual general assembly, 1957 298
- ENGINEERS' REGISTRATION**
- Continuation of listing of State Boards for engineering registration 1003
- ENGINES. See also DIESEL ENGINES, GAS TURBINES, MARINE ENGINEERING, ROCKETS**
- Development of a supercharged medium speed two-cycle opposed-piston engine (A) 282
 - Expansion engine for gas liquefaction (A) 870
 - Free-piston engine (A) 1059
 - French experience with free-piston engines 428
 - Manufacturing small engines (A) 1166
 - Practical Engine Scope for field maintenance (A) 677
 - Two-stage free-piston engine (A) 954
- ENGINES—GAS**
- Effect of intake combustion-air conditioning on performance of spark ignition gas engines (A) 678
 - Study of industrial-engine operation (A) 676
 - Turbocharging development for loop-scavenged two-cycle gas engines (A) 678
- ENGINES—INTERNAL COMBUSTION**
- Heat transfer in internal-combustion engines (A) 961
- ENGINE—OIL**
- "Twi. bank" oil engines (A) 1159
- ENGINES—STEAM**
- Extensible steam engine (A) 1158
- ENGLE, M. D.**
- Martins Creek Steam Electric Station—new ideas to reduce cost of construction and of operation (A) 1160
- ERDELYI, E.**
- Vibration modes of stators of induction motors (A) 285
- ERINGEN, A. C.**
- Response of beams and plates to random loads (A) 286
- ERNST, HANS**
- Awarded ASTE Research Medal for 1957 509
- ERNST, J. P.**
- Design and testing of containment provisions for the engineering test reactor (A) 973
- ERWIN, A. E.**
- Pumps for nuclear power plants (A) 474
- ETHEL, FRANK**
- The reasons for establishing Euratom 558
- EUROPE**
- Recent technical and economic developments in Western Europe 27, (D)
 - 502
- EUROPEAN SURVEY—Engineering Progress in the British Isles and Western Europe 44, 182, 280, 372, 470, 578, 672, 766, 876, 958, 1058, 1158**
- EVANS, C. H.**
- Designing safe installations for inert-gas machines (A) 1170
- EVANS, GORDON M.**
- Obituary 126
- EVANS, LEIGH R.**
- Obituary 422
- EXCAVATING MACHINERY**
- Bucket excavator on crawler track (A) 766
 - Largest walking dragline excavator (A) 876
- EXTRUSION. See METAL EXTRUSION**
- EZEKIEL, F. D.**
- Computer representations of engineering systems involving fluid transients (A) 186

- EZEKIEL (*continued*)
Effect of conduit dynamics on control-valve stability (A)..... 682
Pressure-flow characteristics of pneumatic valves (A)..... 189

F

- FABRICATION. *See* MANUFACTURING
FAIRALL, R. S.
New method of heat-exchanger design with specified inlet and outlet conditions (A)..... 963
FAIRCHILD, F. P.
Eight years of experience with austenitic-steel piping materials at elevated steam conditions (A)..... 290
FARBER, ERICH A.
Effects of junction manufacture on thermocouple EMF generation (A)..... 374
Solar water heating—present practices and installations (A)..... 773
FARR, A. P.
Torque requirements for rotary-shouldered connections and selection of connections for drill collars (A)..... 1064
FARRINGTON, STEPHEN JOHN
Obituary..... 914
FATIGUE OF MATERIALS. *See* METAL FATIGUE
FAULDERS, C. R.
Aerodynamic design of vaned diffusers for centrifugal compressors (A)..... 283
FAUS, H. W.
Effect of improved draft gears and spring-dampened trucks on freight-car shocks (A)..... 380
FAX, D. H.
P. A. R. homogeneous reactor (cond.)... Pennsylvania advanced reactor—process description (A)..... 1161
FEED-RATE INDICATORS. *See* INSTRUMENTS, MACHINE TOOLS
FEEDERS. *See* MATERIALS HANDLING
FEEDWATER TREATMENT
Evaporated make-up water for a monotube boiler (A)..... 484
Selecting water-treating processes for medium-pressure boilers (A)..... 481
What do moderate high-pressure boilers demand of feedwater? (A)..... 480
FELGAR, R. P.
Vibration design charts (A)..... 190
FELLOWSHIPS. *See* EDUCATION
FENG, TUNG-YING
Characteristics of unevenly overlapped four-way hydraulic servo valves (A)..... 588
FENNEMA, T. S.
Practical economics for refinery mechanical engineers (A)..... 47
FERRELL, H.
Investigation of pressure drop through a rotating pipe (A)..... 1062
FERRERIO, PIERO
Obituary (Ed)..... 719
Obituary..... 1010
FIDLER, ISAAC
Obituary..... 530
FIEDLER, G. J.
Criteria for validity of lumped-parameter representation of ducting air-flow characteristics (A)..... 49
FILING SYSTEMS
Standards for filing engineering drawings (A)..... 485
FILMS. *See* HEAT TRANSFER, INDUSTRIAL FILMS
FILTERS. *See* COMMUNICATIONS
FINDLEY, W. N.
Fatigue of metals under combinations of stresses (A)..... 190
FINISHERS. *See* COATINGS
FINKE, J.
Design and testing of containment provisions for the engineering test reactor (A)..... 973
FINN. *See* HEAT TRANSFER
FINT. *See* PHYSICAL UNITS
FINZI, LEO
On the principle of Haar and von Karman in statistically determinate problems of plasticity (A)..... 777
FIRE PREVENTION
Fire-and-overheat detector (A)..... 364
Fire safety of engineered timber construction..... 350, (D) 1075

- FIRTH, CYRIL
Obituary..... 530
FISHER, H. E.
Study of industrial-engine operation (A)..... 676
FISHER, I. M.
Discussion of dust suppression in coal handling (A)..... 481
FISHWICK, W.
Chatter of lathe tools under orthogonal cutting conditions (A)..... 774
FITCH, E. C.
Investigation of pressure drop through a rotating pipe (A)..... 1062
FITZGERALD, G. R.
Mechanical-assembly equipment—some economic considerations in its development and use..... 332
FLAMES
Heat transfer by radiation from flames (A)..... 374
Type of flame-excited oscillation in a tube (A)..... 971
FLETCHER, C. NORMAN
Metal-cutting analyses (D)..... 294
Technical ghostwriting (D)..... 975
FLEXIBILITY. *See* PIPING SYSTEMS
FLOTOW, H. E.
UO-NaK slurry studies in loops at 600 C (A)..... 472
FLOTURN. *See* METAL FORMING
FLOW OF FLUIDS. *See also* DUST SEPARATORS, FLUID FRICTION, HEAT TRANSFER, PIPELINES, VALVES
Analysis of a process-fluid-flow network by electrical analogy (A)..... 590
Boundary layer along annular walls in a swirling flow (A)..... 968
Computer representations of engineering systems involving fluid transients (A)..... 186
Control of flow distribution by mixing headers (A)..... 1067
Convection heat transfer and pressure drop of air flowing across in-line tube banks, Parts I and II, (A)..... 291
Criteria for validity of lumped-parameter representation of ducting air-flow characteristics (A)..... 49
Current flow of air, gas-oil, and water in a horizontal pipe (A)..... 384
Effect of adverse pressure gradients on turbulent boundary layers in axisymmetric conduits (A)..... 381
Effect of conduit dynamics on control-valve stability (A)..... 682
Experimental and analytical study of two-component phase-flow in an ejector with condensation (A)..... 962
Experimental velocity and temperature profiles for air in turbulent pipe flow (A)..... 1071
Heat, mass and momentum transfer in flow through porous media (A)..... 962
Heat-transfer and flow-friction characteristics of woven-screen and cross-rod matrices (A)..... 377
Heat transfer and fluid friction during flow across banks of tubes (A)..... 376
Heat-transfer rates to cross-flowing mercury in a staggered tube bank—II (A)..... 964
Heat transfer to flow in a round tube with arbitrary velocity distribution (A)..... 965
Heat transfer to fluids with low Prandtl numbers for flow across plates and cylinders of various cross sections (A)..... 1071
Heat transmission to fluids with low Prandtl numbers for flow through tube banks (A)..... 964
Investigation of the end-wall boundary layer of a turbine-nozzle cascade (A)..... 482
Jet-pump theory and performance with fluids of high viscosity (A)..... 186
Laminar flow over an enclosed rotating disk (A)..... 968
Losses in pipe and flange (A)..... 185
Method for solving problems of irrotational gas flow by means of high-speed digital computers (A)..... 971
Modes of adiabatic and diabatic fluid flow in an annulus with an inner rotating cylinder (A)..... 964
Momentum and mass transfer, by eddy diffusion in a wetted-wall channel (A)..... 1009
New method to measure Prandtl number and thermal conductivity of fluids (A)..... 380
Point source and point vortex in the hodograph plane (A)..... 485
Pressure drop and air flow distribution in gas-turbine combustors (A)..... 478
Pressure drop for parallel flow through rod bundles (A)..... 483
Resistance coefficients for laminar and turbulent flow through one-half-inch valves and fittings (A)..... 482

- FLOW OF FLUIDS (*continued*)
Skewed boundary-layer flow near the end walls of a compressor cascade (A)..... 377
Study of heat transfer and pressure drop under conditions of laminar flow in the shell side of cross-baffled heat exchangers (A)..... 963
Theoretical analysis of the viscous flow in a narrowly spaced radial diffuser (A)..... 381
Turbulence in small air jets at exit velocities up to 705 feet per second (A)..... 971
Two-dimensional inflow conditions for a supersonic compressor with curved blades (A)..... 381
Two-dimensional, steady, cavity flow about slender bodies in channels of finite breadth (A)..... 381
Two-phase flow in rough tubes (A)..... 968
Unsteady flow of gas through a semi-infinite porous medium (A)..... 885
FLUID FRICTION. *See also* FLOW OF FLUIDS
Gas-friction—heat transfer charts for ducted flows (A)..... 966
Heat transfer and pressure drop in odd-shaped annuli (A)..... 1069
FLY ASH. *See also* DUST COLLECTORS
Fly-ash reirradiation (A)..... 53
FLYNN, GREGORY, JR.
Million pound high-speed dynamic fatigue-test Machine (A)..... 589
FOGARTY, WILLIAM BAILEY
Obituary..... 914
FOLEY, D. J.
Heat transfer "beyond burnout" for forced-convection bulk boiling (A)..... 768
FOLSOM, R. G.
Nuclear engineering—where do we stand?..... 224, (correction) 593
FOOD PROCESSING
Heat transfer in the food industry..... 922
Recent advances in food technology (D)..... 390
FOREMAN TRAINING
First-line supervisors... how do they spend their time?..... 353
FORGING
Biggest boltmaker (A)..... 951
Spin-force combines features of vertical spinning lathe with forging process (A)..... 950
FOSTER, K. M.
Instrumentation and controls, Centralia Water Flood, Illinois (A)..... 1171
FOUNDATIONS
Foundations: design and practice (BR)..... 976
FOUNDRY PRACTICE
Shell castings—typical examples of their applications..... 560
FOWLER, J. E.
Design features and development of the cross-compound, single flow turbine with axial exhaust—for the Portland Station (A)..... 1163
FRACTURE. *See* METALS, STRESSES AND STRAINS
FRANCK, CLARENCE C., SR.
Biography..... 1206
Eddystone superpressure unit..... 132
Elected Fellow of ASME..... 1206
FRANKLIN, J. B.
Capital's approach to the overhaul and maintenance of the Viscount-installed Rolls-Royce engine (cond)..... 1125
FRASIER, J. T.
Force in the plane of two jointed semi-infinite plates (A)..... 1167
FRATCHER, G. E.
Steel for Canadian pipelines..... 853
FREDHOLD, ALLAN, JR.
Statistical quality control for small plants..... 652
FREE PISTON. *See* COMPRESSORS, ENGINES, GAS TURBINES
FRICTION
Apparent frictional forces of clamping elements as used in the oil industry (A)..... 385
Coefficients of flat-surface friction..... 1130
Electrical effects accompanying the stick-slip phenomenon in boundary lubrication (A)..... 292
On friction and lubrication at temperatures to 1000 F with particular reference to graphite (A)..... 1165
Properties of friction materials—I, I. experiments on variables affecting noise (A)..... 886
II. Theory of vibration in brakes (A)..... 682
Resistance to rolling and sliding (A)..... 682
FRIED, JEROME A.
Obituary..... 530
FRIEDMANN, N. E.
Quasilinear heat flow (A)..... 960

- FRISCH, J.
Comparison of semi-empirical solutions for crack propagation with experiments (A)..... 682
Experimental and theoretical pressures and velocity fields for various lead extrusions (A)..... 292
- FRITZ, W. A., JR.
Heat-transfer studies of naval boilers (A)..... 965
- FROCHT, M. M.
Photoelastic study of maximum tensile stresses in simply supported short beams under central transverse impact (A)..... 1072
- FROELICH, KURT
Sizing of centrifugal separators for residual fuels (A)..... 677
- FROMM, L. W., JR.
Containment for the EBWR (A)..... 477
- FROST, P. D.
Cold extrusion of unalloyed titanium (A)..... 378
- FUEL CELLS
Electricity from gases (A)..... 1050
- FUELS. *See also* COAL, NUCLEAR FUELS, OIL FUEL, POWER PLANTS—NUCLEAR, POWER PLANTS—STEAM
Boron fuels for transonic aircraft and missiles (A)..... 1047
Burning fluid (A)..... 386
CO boiler pays off in fuel savings and produces zero CO (A)..... 590
Fuels for the future..... 552
Fuels—today and tomorrow—the changing pattern of fuel demand..... 550
Impact of atomic energy on fossil fuels (A)..... 54
Industrial fuel utilization in the United Kingdom (A)..... 53
Multifuel firing of cyclone furnaces (D)..... 193
Nuclear briefs (A)..... 668
Progress report—Ignitibility of solid fuels and burning rates of fixed carbon (A)..... 53
Pulp-and-paper-mill trends toward integrating power and bark-burning boilers (A)..... 583
Relative demand for fuels..... 550
Sizing of centrifugal separators for residual fuels (A)..... 677
Utilization of lignite: a comparison between spreader-stoker and pulverized-lignite firing in steam generation..... 23, (D) 888
- FULLER, DUDLEY D.
Receives ASLE National Award..... 601
Self-excited vibrations of an air-lubricated thrust bearing (A)..... 1163
- FUMES. *See* AIR POLLUTION
- FURNACES. *See also* INDUSTRIAL FURNACES, SOLAR ENERGY
Arc-image furnace (A)..... 1049
Multifuel firing of cyclone furnaces (D)..... 193
Radiant heat exchange in a gas-filled enclosure (A)..... 1069
- FURNITURE. *See* WOODWORKING MACHINERY
- G
GAGES
Beta radiation gages control thickness and weight in manufacturing processes (A)..... 669
X-ray thickness gage for steel strip mills (A)..... 667
- GARDNER, LESTER DURAND
Obituary..... 326
- GAS CLEANERS. *See* ELECTRICAL PRECIPITATORS
- GAS LIQUEFACTION
Expansion engine for gas liquefaction (A)..... 870
- GAS-LIQUID MIXTURES
Application of gas/liquid cyclones in oil refining (A)..... 385
- GAS LUBRICATION. *See* BEARINGS
- GAS TURBINES. *See also* AIRPLANE ENGINES, GUIDED MISSILES, IRON AND STEEL MANUFACTURE, LOCOMOTIVES—GAS-TURBINE, SUPERCHARGERS
Air and gas duct system for the gas-turbine vessel John Sergeant (A)..... 284
Analytical methods for performance estimates of free-piston gasifiers (A)..... 582
Bibliography on free-piston engines and compressors..... 339
- GAS TURBINES (continued)
Coal-burning gas turbine (A)..... 572
Compact gas turbine (A)..... 357
Design features of new 16,500-kw gas turbines for power generation (A)..... 581
Designing the marine gas turbine..... 860
Determination of turbine-stage performance for an automotive power plant (A)..... 580
Dynamic response characteristics of gas turbines (A)..... 1166
Economic aspects of combustion gas turbine application in the refining industry (A)..... 1066
40-ft personnel boat with gas-turbine propulsion-engine installation features and operating experience (A)..... 284
Free-piston-turbine tractor (A)..... 460
Gas-turbine generating experience of West Texas Utilities Company (A)..... 580
Gas turbines for the chemical industry (A)..... 582
General design considerations for smaller gas turbines (A)..... 1165
Generalized presentation of gas-turbine combustor performance (A)..... 581
Influence of working-fluid characteristics on the design of the closed-cycle gas turbine (A)..... 478
New concept engine gas-generator-turbine plant (A)..... 581
New single-shaft 3000-hp gas turbine ideal for mechanical drive application (A)..... 476
Nuclear powered gas turbines for light weight power plants (A)..... 581
Operating considerations in the application of gas-turbine-driven centrifugal pipeline compressors (A)..... 46
Pressure drop and air flow distribution in gas-turbine combustors (A)..... 478
Shipboard gas-turbine engine tests..... 1119
GASES. *See also* COOLING SYSTEMS, FLOW OF FLUIDS, FLUID FRICTION
Design of supersonic expansion nozzles and calculation of isentropic exponent for chemically reacting gases (A)..... 376
Gas dynamics. Vol. 1, applied mathematics and mechanics (BR)..... 688
Viscosity of five gases: a re-evaluation (A)..... 187
- GATLORD, E. W.
On the theoretical analysis of a dynamic thermocouple (A)..... 291
- GAYNOR, J.
Electrical effects accompanying the stick-slip phenomenon in boundary lubrication (A)..... 292
- GAZIS, D. C.
Influence of width on velocities of long waves in plates (A)..... 885
- GAZLEY, G., JR.
Heat-transfer characteristics of the rotational and axial flow between concentric cylinders (A)..... 375
- GEARS
Experimental determination of gear tooth stresses in large marine gears (A)..... 290
Gears—a digest of 1956 literature..... 844
Undercutting of spur gear teeth (A)..... 589
Use of high-speed computers in the design and appraisal of helical gears (A)..... 489
- GEERS, JOSEPH F.
Obituary..... 218
- GENSMAN, L. R.
Remote-control systems for setting saw-mill carriages (A)..... 883
- GEOPHYSICS
International Geophysical Year (Ed)..... 535
- GERARD, GEORGE
Photothermoelasticity: an exploratory study (A)..... 973
- GERBER, L.
Standards for filing engineering drawings (A)..... 485
- GERBER, R. C.
Sodium-graphite reactor (cond.)..... 245
- GERMANY
German Industries Fair at Hanover (A)..... 672
- GETHEN, GEORGE SETMAN
Obituary..... 530
- GEYER, HENRY ELMER
Obituary..... 126
- GHABRIAL, S. R.
Impact stresses in drop-hammer guides (A)..... 588
- GIBBS, WILLIAM FRANCIS
Biography..... 68
Honorary Member of ASME..... 68
- GILBERT, A. C.
Photothermoelasticity: an exploratory study (A)..... 973
- GILBERT, J. B.
Design features of a gas turbine for a supercharged boiler (A)..... 1166
- GILBERT, R.
Two-dimensional, steady, cavity flow about slender bodies in channels of finite breadth (A)..... 381
- GILBERT, W. W.
Biography..... 71
Receives Blackall Machine Tool and Gage Award..... 71
- GILBRETH, LILLIAN M.
Honored at testimonial dinner..... 206
- GILLMOR, REGINALD E.
Biography..... 1207
Elected Fellow of ASME..... 1207
- GILSONITE. *See* SLURRIES
- GLASS, HARTWELL DOSS
Obituary..... 530
- GLASS. *See also* WINDSHIELDS
Pyroceram: new family of basic materials (A)..... 662
- GLASSER, T. H.
Basic equations for predicting performance of a nuclear power plant pressurizer (A)..... 473
- GLICKSTEIN, M. R.
Effects of junction manufacture on thermocouple EMF generation (A)..... 374
- GOLD. *See* METAL COATING
- GOLDMAN, J. L.
Offshore mobile units (A)..... 1075
- GOLDSMITH, WERNER
Elongating string under the action of a transverse force (A)..... 883
Stresses in beams during transverse impact (A)..... 970
- GOLF SHOTS. *See* DYNAMICS
- GOMBERG, H. J.
Use of ionizing radiations in control of parasitic infections (A)..... 477
- GONZALES, EDUARDO DAMASO
Obituary..... 826
- GOOD, CHARLES WINFRED
Obituary..... 126
- GOODMAN, L. E.
Thermal drift of floated gyroscopes (A)..... 1072
- GOODWIN, J. G.
Back extrusion of heavy-walled Zircaloy-2 cups..... (A) 590, 936
- GORDON, D.
Techniques of drawing in the third dimension (A)..... 588
- GORMAN, A. L.
Promotion of dropwise condensation of several pure organic vapors (A)..... 583
- GOSB, WYMAN
New materials that the design engineer should know about—plastics and rubbers..... 727
- GOULD, A. F.
Materials in motion..... 1116
- GOULD, S. E.
Use of ionizing radiations in control of parasitic infections (A)..... 477
- GOVERNORS. *See* AUTOMATIC CONTROL
- GRAM, A. J., JR.
Convection heat transfer and pressure drop of air flowing across in-line tube banks, Part II (A)..... 291
- GRANT, TAYLOR BANKER
Obituary..... 530
- GRAPHICAL METHODS
Abrax of nomograms (BR)..... 99
Alignment diagrams (D)..... 492
Graphical versus computer techniques—for mechanism analysis (A)..... 383
How to analyze the cost of machine tools (D)..... 391
New method for the construction of Hencky-Prandtl nets (A)..... 485
- GRAPHITE
"Production and properties of graphite for reactors"; a recently published booklet..... 604
- GREASES. *See* LUBRICANTS
- GREELEY, SAMUEL A.
Background of design criteria for municipal incinerators (AC)..... 390
- GREEN, H. M.
Isoelasticity in gyro rotor bearings (A)..... 1164
- GREEN, L. JR.
Heat, mass and momentum transfer in flow through porous media (A)..... 962

- GREEN, PARKER MALCOLM
Obituary 126
- GREENMAN, EDWIN GARDNER
Obituary 218
- GREGG, J. L.
Similar solutions for free convection from a nonisothermal vertical plate (A) 881
- GREGORY, A. T.
Evolution of a small turbojet (A) 283
- GRENTZED, P. E. W.
Analysis of the transient response of nonlinear control systems (A) 586
- GRIFFITH, PETER
Bubble growth rates in boiling (A) 961
Correlation of nucleate boiling burnout data (A) 962
- GRINDING
Analysis of residual stress in ground surfaces of high-temperature alloys (A) 774
Experimental study on chatter vibrations in grinding operations (A) 378
Influence of various grinding conditions upon residual stresses in titanium (A) 479
On the basic mechanics of the grinding process (A) 378
Perpetual form control of grinding wheels (A) 868
- GROB, J. J.
Multifuel firing of cyclone furnaces (D) 193
- GROBEL, L. P.
Investigation of the generator rotor burst at the Pittsburgh Station of the Pacific Gas and Electric Company (A) 1162
- GROHMAN, J. S.
Pressure drop and air flow distribution in gas-turbine combustors (A) 478
- GRONMEYER, F. C.
Sodium-graphite reactor (cond.) 245
- GROSS, R. J.
Heat transfer to fluids with low Prandtl numbers for flow across plates and cylinders of various cross sections (A) 1071
Heat transmission to fluids with low Prandtl numbers for flow through tube banks (A) 964
- GROSS, W. A.
Beams of uniform strength subjected to uniformly distributed loading (A) 380
- GROVER, H. J.
Some suggestions for research in diaphragm technology (A) 487
- GRUBER, A. R.
Control of flow distribution by mixing headers (A) 1067
- GUDHEIM, A. R.
Heat transfer in thin-film, centrifugal processing units (A) 1070
- GUIDED MISSILES
Guided missiles call for airborne auxiliary power systems for purposes other than propulsion 733
Missile auxiliary power-supply development (A) 969
- GULINOW, W. H.
Effect of heat conductance on slider-bearing characteristics (A) 776
- GUNNELL, BRUCE C.
Atomic-powered locomotive? 266
- GURNEY, W. B.
Information center with automatic logger and scanner (A) 483
- GYROSCOPES
Gyroscopes for inertial navigators 832
Inelasticity in gyro rotor bearings (A) 1164
Thermal drift of floated gyroscopes (A) 1072
- H**
- HAAGEN-SMIT, A. J.
Studies on air-pollution control by Southern California Edison Company (A) 773
- HABACH, G. F.
Control of the engineering functions in a decentralized company (A) 584
- HAEPFEL, DONALD G.
Nonintermittent film projector 345
- HAENTJENS, OTTO
Obituary 714
- HAAMAN, H. M.
Sodium-graphite reactor (cond.) 245
- HAGE, W. T.
Application of automatic digital data-collecting to boiler testing 1016
Automatic digital-data-collecting system for use in central stations (A) 772
- HAGEL, W. C.
Specific damping energy of fixed-fixed beam specimens (A) 972
- HAGGERTY, CHARLES
Obituary 626
- HAINES, ROGER W.
Solar heat for a building 536
- HALL, A. S., JR.
Resistance to rolling and sliding (A) 682
- HALL, WALTER ATWOOD
Obituary 126
- HALLIDAY, JOHN
Boiler vibration caused by combustion gas flow (A) 290
- HALLMAN, CHARLES
Obituary 1010
- HALVERSTADT, R. D.
Analysis of residual stress in ground surfaces of high-temperature alloys (A) 774
- HAM, I.
Ceramic and carbide tool performance tests (A) Part I, 184; Part II, 967
- HAMILTON, DOUGLAS THOMAS
Obituary 1214
- HAMMITT, F. G.
Nuclear powered gas turbines for light weight power plants (A) 476
- HANRAHAN, FRANK J.
Fire safety of engineered timber construction 1075
- HANSBOM, WILLIAM WALLACE
Obituary 326
- HANSEN, JOHANNES PETER
Obituary 1106
- HANSON, K. L.
The sector problem (A) 776
- HANSEN, A. J.
Application limits and accuracies of control-valve flow coefficient CV (A) 49
- HANTSCH, ROBERT SIEGFRIED
Obituary 326
- HARBIN, CHARLES B.
Obituary 422
- HARBER, K. C.
Engineers study administration (A) 435
- HARDROVE, R. M.
Burning fluid coke (D) 386
- HARDING, B. L.
Proposed standardized system for notation and classification of the four-bar linkage (A) 1169
- HARDNESS. *See* METAL TESTING
- HARDY, J. D.
Measurement of the heating of the skin during exposure to infrared radiation 1033
- HARLOW, J. H.
Engineering the Eddystone Plant for 5000 psig, 1200-F steam (cond.) 132
- HARRIS, T. J.
Airfreight sales development (A) 384
- HARRIS, WILLIAM J., JR.
Titanium-sheet-rolling program 1112
- HARRISON, EDWIN DAVIES
Named president of Georgia Institute of Technology 1182
- HARRISON, W. B.
Combined free and forced convection in a constant-temperature vertical tube (A) 965
Wetting effects on boiling heat transfer—the copper-stearic acid system (A) 1068
- HARRISS, C. LOWELL
Metal-cutting analyses (D) 294
- HARTNETT, J. P.
Experimental studies of free-convection heat transfer in a vertical tube with uniform wall heat flux (A) 377
Measurements of the total absorptivity for solar radiation of several engineering materials (A) 880
Review of heat-transfer literature—1956 433
Total normal emissivity measurements for porous materials used for mass-transfer cooling (A) 1071
- HASS, H. B.
Recent advances in food technology (D) 390
- HATCH, T. F.
Human factor in machine design (A) 288
- HATCHER, N. C., JR.
Finishing controls at Drexel Furniture Company (A) 679
- HAUSER, G. B.
Expanding use of aluminum in railroad cars (A) 674
- HAWKINS, M. B.
Engineering approach to radiological contamination 920
- HAWLEY, C. FREEMAN
Utilization of lignite; a comparison between spreader-stoker and pulverized-lignite firing in steam generation 23, 890
- HAYNES, J. L.
"Roller freight" needs better trucks (A) 675
- HAYS, LEWIS TOMPKINS
Obituary 218
- HEALD, ROY H.
Awarded Department of Commerce Silver Medal for Meritorious Service 815
- HEAPS, H. S.
Symmetrical buckling of a series of uniformly loaded parallel struts supported by spot connections to a long thin plate (A) 885
- HEAT ANALOGY
Effectiveness of stub fins as determined by the Teledeltos paper analog (A) 960
- HEAT-EXCHANGE EQUIPMENT. *See also* HEAT TRANSFER
Dynamic response of heat exchangers having internal heat sources (A) 963
New method of heat-exchanger design with specified inlet and outlet conditions (A) 963
Performance factors of a periodic-flow heat exchanger (A) 882
Problems encountered in the selection and use of air-cooled, heat-transfer equipment (A) 47
Shell-side characteristics of shell-and-tube heat exchangers (A) 375
- HEAT-INSULATING MATERIALS
Silicone insulation (A) 365
Thermal conductivity of insulating materials for use in nuclear reactors (A) 1071
Versatile nylon batting (A) 568
- HEAT TRANSFER. *See also* BIOLOGY, HEAT-INSULATING MATERIALS, INSTRUMENTS—TEMPERATURE
Bibliography 442
Combined free and forced convection in a constant-temperature vertical tube (A) 965
Compilation of radiation shape factors for cylindrical assemblies (A) 374
Convection heat transfer and pressure drop of air flowing across in-line tube banks, Parts I and II (A) 291
Convective heat transfer from high-temperature air inside a tube (A) 1070
Effect of heat conductance on slider-bearing characteristics (A) 776
Experimental studies of free-convection heat transfer in a vertical tube with uniform wall heat flux (A) 377
Experimental velocity and temperature profiles for air in turbulent pipe flow (A) 1071
Extended heat-transfer surface (A) 1054
Film boiling from vertical tubes (A) 1070
First National ASME-AIChE Heat Transfer Conference 696
Free convection from heated surfaces—laminar boundary layers (A) 583
Gas-friction—heat transfer charts for ducted flows (A) 966
Heat, mass, and momentum transfer in flow through porous media (A) 962
Heat transfer—topic of joint ASME-AIChE conference 996
Heat-transfer and flow-friction characteristics of woven-screen and crossed-rod matrices (A) 377
Heat transfer and fluid friction during flow across banks of tubes (A) 376
Heat transfer and pressure drop in odd-shaped annuli (A) 1069
Heat transfer between a flat plate and a fluid containing heat sources (A) 880
Heat transfer between fluidized solids beds and boundary surfaces—correlation of data (A) 1070
Heat transfer "beyond burnout" for forced-convection bulk boiling (A) 768
Heat transfer by radiation from flames (A) 374
Heat-transfer characteristics of the rotational and axial flow between concentric cylinders (A) 375
Heat-transfer considerations in the use of organic reactor coolants (A) 473
Heat-transfer effects in hydrostatic thrust bearing lubrication (A) 51
Heat transfer from a rotating cylinder with and without cross flow (A) 187
Heat transfer from a rotating disk in turbulent flow (A) 375

HEAT TRANSFER (continued)

- Heat transfer from superheated vapors to a horizontal tube (A) 1068
- Heat transfer in internal-combustion engines (A) 961
- Heat transfer in liquid metals (A) 965
- Heat transfer in the food industry 922
- Heat transfer in thin-film, centrifugal processing units (A) 1070
- Heat-transfer rates to cross-flowing mercury in a staggered tube bank—I (A) 964
- Heat-transfer studies of naval boilers (A) 965
- Heat transfer to flow in a round tube with arbitrary velocity distribution (A) 965
- Heat transfer to fluids with low Prandtl numbers for flow across plates and cylinders of various cross sections (A) 1071
- Heat transfer to laminar boundary layers with variable free-stream velocity (A) 376
- Heat transfer to lead-bismuth in turbulent flow in an annulus (A) 187
- Heat transfer to supercritical water (A) 963
- Heat transmission to fluids with low Prandtl numbers for flow through tube banks (A) 964
- Horizontal condenser theory—Part I. Mathematical development of tube loading (A) 1068
- Investigation of burnout heat flux in rectangular channels at 2000 psia (A) 881
- Laminar mass and heat transfer from ellipsoidal surfaces of fineness ratio 4 in axisymmetrical flow (A) 880
- Man and his thermal environment 1029
- Model method for determining geometric factors in solid-to-solid radiation heat transfer (A) 880
- Natural convection heat transfer in regions of maximum fluid density (A) 1068
- New finite-difference technique for solution of the heat-conduction equation, especially near surfaces with convective heat transfer (A) 290
- New method to measure Prandtl number and thermal conductivity of fluids (A) 380
- On the stability of boiling heat transfer (A) 962
- On the stagnation of natural-convection flows in closed-end tubes (A) 881
- Prediction of journal-bearing temperatures by the application of heat-transfer theory and data (A) 775
- Promotion of dropwise condensation of several pure organic vapors (A) 583
- Quasilinear heat flow (A) 960
- Radiant heat exchange in a gas-filled enclosure (A) 1069
- Rate of temperature change of simple shapes (A) 291
- Review of heat-transfer literature—1956 433
- Similar solutions for free convection from a nonisothermal vertical plate (A) 881
- Simplified method for the study of two-dimensional transient heat flow using resistance paper (A) 583
- Study of heat transfer and pressure drop under conditions of laminar flow in the shell side of cross-baffled heat exchangers (A) 963
- Sublimation from disks to air streams flowing normal to their surfaces (A) 291
- Theoretical analysis of heat transfer in natural convection and in boiling (A) 187
- Total normal emissivity measurements for porous materials used for mass-transfer cooling (A) 1071
- Transient air temperatures in a duct (A) 186
- Transient free convection from a vertical flat plate (A) 881
- Transient heat flow determination of the thermal properties of clay (A) 377
- Velocity, temperature, and heat-transfer measurements in a turbulent boundary layer downstream of a stepwise discontinuity in wall temperature (A) 485
- Wetting effects on boiling heat transfer—the copper-stearic acid system (A) 1068
- HEAT TRANSFER AND FLUID MECHANICS INSTITUTE**
1957 papers available 791
- HEAT TREATMENT. See also INDUSTRIAL FURNACES**
Hardening during machining cycle (A) 579
- Steam atmosphere heat-treating (A) 274
- HEATERS. See AIR HEATERS**
- HEATH, F. R.**
Designing jet engines with a medium-size digital computer (A) 383
- HEATING. See also HIGH-TEMPERATURE RESEARCH, SOLAR ENERGY**
Nuclear district heating (A) 1054
- HECHLER, F. G.**
Obituary 422
- HEFNER, B. H.**
Advances in diesel-electric rig design for oil well drilling (A) 1170
- HEIDEL, CHARLES M.**
Enrico Fermi fast-breeder reactor (cond.) 240
- HEINEMAN, A. H.**
Containment for the EBWR (A) 477
- HEISLER, M.**
Design and development of the coolant system for the sodium reactor experiment (A) 472
- HELICOPTERS**
Jet helicopter 564
- HELMSTAEDTER, WILLIAM E.**
Obituary 422
- HEMKE, PAUL E.**
Appointed vice-president and provost of RPI 1182
- HENDERSON, DOUGLAS**
Obituary 1214
- HENDERSON, E. N.**
Gas pulsations—the problem, Southern Gas Association's approach, and results (A) 676
- HENDLER, E.**
Measurement of the heating of the skin during exposure to infrared radiation 1033
- HENRIKSON, OSCAR WILHELM**
Obituary 530
- HENRY, S. L.**
Steel for Canadian pipelines 853
- HENRY, W. P., JR.**
Shipboard gas-turbine engine tests 1119
- HERRINGTON, L. P.**
Biotechnical problem of the human body as a heat exchanger (A) 881
- HERRON, D. P.**
Prospects for economic atomic power (A) 770
- HERSEY, M. D.**
Testing dynamically loaded bearings I, A short history of bearing test machines (A) 52
II, A diesel-engine bearing test machine (A) 51
- HERWICK, JOHN SHERMAN**
Obituary 1106
- HESLOP, PAUL LOVERIDGE**
Obituary 826
- HEWITT, EDWARD RINGWOOD**
Obituary 530
- HIGGINS, NATHAN BERT**
Obituary 530
- HIGH-TEMPERATURE MATERIALS. See also BOLTS AND NUTS, STEEL ALLOYS**
Boron 1200-F 75,000-psi alloy (A) 360
- Development of ceramic insulating materials for high-temperature use (A) 961
- The hot airplane 925
- Improved impact resistance for cermets (A) 1055
- Iron-base 1500-F 15,000-psi alloy (A) 360
- New materials that the design engineer should know about 720
- Pyroceram; new family of basic materials (A) 662
- HIGH-TEMPERATURE RESEARCH**
Atomic vapor produced by using the highest technically useful temperatures yet achieved (A) 567
- Dynamic response of beams and plates to rapid heating (A) 970
- Simulating the "thermal barrier" (A) 1048
- Solar furnace (D) 386
- HJAB, W. A.**
Statistical appraisal of the Prot method for determination of fatigue endurance limit (A) 382
- HILL, ROSS C.**
Gas-turbine maintenance in severe service 639
- HINES, J. D.**
Turbocharging development for loop-scavenged two-cycle gas engines (A) 678
- HINRICHS, C.**
Development of a universal type control drive mechanism for nuclear reactors (A) 475
- HINSHAW, J. R.**
Histologic studies of some reactions of skin to radiant thermal energy 1035
- HIRSCHHORN, J.**
Synthesis of four-bar mechanisms by the method of components (A) 287
- HISTORY**
The first one hundred and fifty years: a history of John Wiley & Sons (BR) 594
- Metal-cutting analyses of the past hundred years (D) 294
- Tercentenary of the pendulum clock (A) 182
- HLINKA, J. W.**
Rate of temperature change of simple shapes (A) 291
- Hochschild, E. F.**
Dynamic study of an experimental pneumatic process-pressure transmitter (A) 587
- HODGE, P. G., JR.**
Interaction curves for shear and bending of plastic beams (A) 884
- Yield loads of slabs with reinforced cutouts (A) 382
- HOFF, N. J.**
Buckling of thin cylindrical shell under hoop stresses varying in axial direction (A) 970
- HOFFMAN, H. T.**
Application of automatic digital-data-collecting to boiler testing 1016
- Automatic digital-data-collecting system for use in central stations (A) 772
- Discussion of an application of automatic digital-data-collecting system to boiler testing (A) 772
- HOFFMAN, T. E.**
Linear force-input, pneumatic amplifier with fast response characteristics (A) 585
- HOISTING MACHINERY**
"Hercules of railway cranes" (A) 673
- One-man hydraulic crane (A) 950
- HOLDUP, E. D.**
Sound methods of solid fuel evaluation for use in thermal power stations (A) 1169
- HOLL, J. W.**
Effect of adverse pressure gradients on turbulent boundary layers in axisymmetric conduits (A) 381
- HOLLISTER, SOLOMON CARY**
Biography 69
- Honorary member of ASME 69
- HOLMES, B. A.**
Progress report on standardization of the vibratory-cavitation test (A) 185
- HOLSTED, R. A.**
Young engineer in a small company 524
- HOLSTEIN, E. D.**
Two-phase concurrent flow of liquids and air through inclined pipe (A) 1062
- HOLE, H. B.**
Sodium-graphite reactor (cond.) 245
- HONERBRINK, ROGER W.**
Professional development for the young engineer 1093
- HONORS AND AWARDS**
AICE Award of Merit 101
- American Rocket Society Awards 102
- ASLE National Award 601
- ASME Gas Turbine Power Award 904
- ASME honors engineers 68
- ASME Medal 69
- ASTE Awards 509
- Blackall Machine Tool and Gage Award 71
- First Karl Taylor Compton Gold Medal 1184
- Elliott Cresson Medal 1181
- Charles B. Dudley Medal 1181
- Edison Medal 107
- Egleston Medal 398
- First Gantt Citation 1183
- Gauss Medal 1181
- Heyn Medal 1181
- Alfred E. Hunt Memorial Medal 601
- Industrial Research Institute Medal 1188
- John J. Jeffries Award 304
- Kelvin Medal 601
- Lammé Gold Medal 398
- Lincoln Gold Medal 601
- Robert M. Losey Award 304
- Charles T. Main Award 73
- Samuel Wylie Miller Memorial Award 601
- NCSBEE Distinguished Service Certificate 1182
- Peter Sigmund Gold Medal Award 72
- Priestley Medal 206
- Priestley Memorial Award 507
- Prime Movers Committee Award 73
- Sylvanus A. Reed Award 304
- Richards Memorial Award 72
- Royal Aeronautical Society Gold Medal 1186
- Elmer A. Sperry Award 304
- Lawrence A. Sperry Award 1181
- Richard L. Templin Award 1181
- Trinks Industrial Heating Award 1181
- Undergraduate Student Award 74

HONORS AND AWARDS (continued)					
William H. Walker Award.....	1182				
Worcester Reed Warner Medal.....	70				
Washington Award.....	601				
Westinghouse Gold Medal.....	70				
Williston Award.....	71				
Wright Brothers Memorial Trophy.....	107, 206				
HOPKINS, W. E.					
Station design considerations in evaluating selection of fuels (A).....	583				
HOPPMANN, W. H., II					
Nodal patterns of the free flexural vibrations of stiffened plates (A).....	972				
HORGEN, H.					
French experience with free-piston engines.....	428				
HORVAY, G.					
Saint Venant's principle: a biharmonic eigenvalue problem (A).....	884				
The sector problem (A).....	776				
Some mixed boundary-value problems of the semi-infinite strip (A).....	485				
Vibration modes of stators of induction motors (A).....	285				
HOSKINS, CHARLES HOWARD					
Obituary.....	714				
HOTTEL, H. C.					
Radiant heat exchange in a gas-filled enclosure (A).....	1069				
HOUSE, R. N., JR.					
Displacements in a wide curved bar subjected to pure elastic-plastic bending (A).....	884				
HOWE, E. D.					
Vacuum flash distillation of sea water (A).....	878				
HOWE, RICHARD J.					
Offshore mobile units—present and future..... (A) 48,	335				
HOWSON, LOUIS R.					
Elected president of ASCE.....	1183				
HOYT, P. R.					
Dynamic field tests of a process furnace (A).....	586				
Dynamic field tests of a steam turbine (A).....	586				
HUI, Y. Y.					
Film boiling from vertical tubes (A).....	1070				
HUBER, O. J.					
Cold extrusion of unalloyed titanium (A).....	378				
HUGHES, BURTON S.					
Obituary.....	626				
HUGHES, CHESTER DEWITT					
Obituary.....	530				
HUGHES, G. W.					
Trifilar pendulum and its application to the experimental determination of moments of inertia (A).....	969				
HUGHES, W. F.					
Heat-transfer effects in hydrostatic thrust bearing lubrication (A).....	51				
On the theoretical analysis of a dynamic thermocouple (A).....	291				
HUMAN ENGINEERING					
Human factor in machine design (A).....	288				
HUNSAKER, JEROME C.					
Receives gold medal of the Royal Aeronautical Society.....	815				
HUNT, HORACE SINCLAIR					
Obituary.....	326				
HUNTINGTON, R. L.					
Current flow of air, gas-oil, and water in a horizontal pipe (A).....	384				
Two-phase concurrent flow of liquids and air through inclined pipe (A).....	1062				
HUPFER, H. J.					
In-service washing to Ljungstrom air preheaters on pulverized-coal-fired steam generators (A).....	380				
HUR, J. J.					
Selection of materials for construction of catalytic reforming units (A).....	47				
HURWICZ, H.					
Heat processing of foods.....	922				
Heat transfer in canning.....	924				
HUSTE, A.					
Spray-dryer design calculations (A).....	590				
HUTH, J. H.					
Some new data on high-speed impact phenomena (A).....	285				
HUTTER, E.					
EBR-II control system (A).....	476				
HYDRAULIC CONTROL. See VALVES					
HYDRAULIC DRIVES					
Hydraulic torque converters.....	738				
Reducing power consumption in hydraulic circuits (D).....	495				
HYDRAULIC TURBINES					
Cavitation in water turbines (A).....	45				
HYDRAULICS					
Freeman Fellowships available in 1957, for study or research in hydraulics.....	118				
HYDRODYNAMICS. See also LUBRICATION					
Fluid dynamic theory of gas-lubricated bearings (A).....	52				
HYDROSTATIC TESTING					
General instability of a ring-stiffened, circular cylindrical shell under hydrostatic pressure (A).....	383				
Steel for Canadian pipelines.....	853				
HYMAN, S. C.					
Control of flow distribution by mixing headers (A).....	1067				
I					
IGNITION. See also COMBUSTION					
Practical EngineScope for field maintenance (A).....	677				
ILLINGWORTH, R. H.					
Preventive maintenance plan for gas-products plants and related operations (A).....	771				
IMPACT. See also STRESSES AND STRAINS, WAVE MECHANICS					
Some new data on high-speed impact phenomena (A).....	285				
Stresses in beams during transverse impact (A).....	970				
IMPELLERS					
Experimental study of centrifugal-pump impellers (A).....	186				
Measurements of relative flow distribution in mixed-flow impellers (A).....	283				
INCLUSIONS. See METALLURGY					
INDUCTION HEATING					
60-cycle induction heating of sodium systems (A).....	473				
INDUSTRIAL ENGINEERING					
Industrial engineering—a definition and forecast (D).....	495				
INDUSTRIAL FILMS. 403, 605, 694, 797,	1191				
INDUSTRIAL FURNACES					
Dynamic field tests of a process furnace (A).....	586				
Furnace-charging machines (A).....	758				
Gas carburizing furnace (A).....	372				
Roller-hearth furnace for heat-treating large aluminum-alloy extrusions (A).....	359				
Vacuum remelting furnace (A).....	759				
INDUSTRIAL HAZARDS					
Low-velocity test gun for testing of lenses against small projectiles (A).....	509				
Toxicity of materials—of interest to the mechanical engineer (A).....	287				
INDUSTRIAL TRAINING. See also MANAGEMENT					
Development of engineering managers through planned education and training.....	741				
INDUSTRIAL TRUCKS					
Fork truck stability—a study in moments (A).....	379				
INDUSTRIAL WASTES					
Effect of heated condenser discharge upon aquatic life (A).....	1160				
INDUSTRY. See also ORGANIZATION					
Control of research and development to meet company objectives (A).....	584				
Government support urged in industry standards for goods and services.....	597				
The next hundred years (BR).....	1174				
U.S. industry (D).....	294				
Why is U. S. industry strong? (D).....	592				
INERT GAS. See PETROLEUM INDUSTRY					
INERTIA. See APPLIED MECHANICS, LUBRICANTS AND LUBRICATION					
INERTIAL NAVIGATION. See AIRPLANE INSTRUMENTS, GYROSCOPES					
INFORMATION RETRIEVAL					
Systems for information retrieval symposium.....	600				
INFRARED					
Infrared versus radar (A).....	763				
Opaque windows for infrared (A).....	763				
INSPECTION					
Ultrasonic detection of thin laminar inclusions (A).....	1161				
INSTITUTE OF MECHANICAL ENGINEERS					
Calendar of meetings..... 600, 695,	906				
INSTRUMENTS. See also AUTOMATIC CONTROL, ENGINE ANALYSES, METALLOGRAPHY, OPTICAL INSTRUMENTS					
Application of automatic digital-data-					
INSTRUMENTS (continued)					
collecting to boiler testing.....	1016				
Automatic digital-data-collecting system for use in central stations (A).....	772				
Determination of turbine-stage performance for an automotive power plant (A).....	580				
Development of the Natco feed-rate indicator (A).....	589				
Developments in the analysis of maintenance problems.....	931				
Discussion of an application of automatic digital-data-collecting system to boiler testing (A).....	772				
Encyclopedia of instrumentation for industrial hygiene (BR).....	783				
High-precision vernier resolver (A).....	1152				
IRE, ISA, AICHE participate in fourth annual IRE-ASME conference program.....	1195				
Instrument readability improved (A).....	574				
Instrumentation and controls, Centralia Water Flood, Illinois (A).....	1171				
Mechanical Btu meter (A).....	761				
Moisture-content gage (A).....	1050				
Privately owned Standards Laboratory for testing master gages and master electrical instruments (A).....	869				
"Sneaky pecky": cystoscope used to examine points of limited access (A).....	34				
Some dynamics of the golf shot (A).....	587				
Technical memoranda, Instruments & Regulators Division (A).....	486				
Trifilar pendulum and its application to the experimental determination of moments of inertia (A).....	969				
INSTRUMENTS—PRESSURE					
Description of a new sensitive micro-manometer (A).....	881				
Dynamic study of an experimental pneumatic process-pressure transmitter (A).....	587				
Metal bellows for many uses (A).....	573				
INSTRUMENTS—TEMPERATURE. See also AUTOMATIC CONTROL					
Designing thermocouples for response rate (A).....	580				
Effect of junction manufacture on thermocouple EMF generation (A).....	374				
Estimation of temperature patterns in multiply shielded systems (A).....	376				
Experimental measurement of metal-cutting temperature distributions (A).....	774				
Fast-response thermocouples using tubular hot-junction elements (A).....	879				
Influence of gradient temperature fields on thermocouple measurements (A).....	900				
On the theoretical analysis of a dynamic thermocouple (A).....	291				
Tool-work-thermocouple compensating circuit (A).....	479				
INSTRUMENTS—VIBRATION					
Progress report on standardization of the vibratory-cavitation test (A).....	185				
INSTRUMENTS—VISCOSITY					
Corrections for the oscillating-disk viscometer (A).....	381				
INTERNATIONAL ELECTROTECHNICAL COMMISSION					
Moscow meeting, 1957.....	895				
INTERNATIONAL RELATIONS					
The engineer's working relations abroad..... 432, (D)	1173				
Inter-American manufactured products and raw materials standards on way.....	1085				
INVESTMENT CASTING. See DIE CASTING					
IP, CHING-UI					
Simple formula for determining the position of maximum slider velocity in a slider-crank mechanism (A).....	589				
IRON AND STEEL INDUSTRY. See also GAGES					
Steel capacity record (A).....	366				
IRON AND STEEL MANUFACTURE					
Blast-furnace gas-turbine blower (A).....	572				
500-ton ladle cranes for steel mill (A).....	359				
Oxygen-enriched blast (A).....	757				
Punch-card-controlled steel mill (A).....	271				
250-ton ladles for Scottish steelworks (A).....	1059				
IRVINE, T. F., JR.					
Description of a new sensitive micro-manometer (A).....	881				
New method to measure Prandtl number and thermal conductivity of fluids (A).....	380				
Review of heat-transfer literature—1956.....	433				
Total normal emissivity measurements for porous materials used for mass-transfer cooling (A).....	1071				
IRWIN, G. R.					
Analysis of stresses and strains near the end of a crack traversing a plate (A).....	973				

- IRWIN, L. K.**
 Receives Richard L. Templin Award.... 1181
- IRWIN, H. S.**
 Natural convection heat transfer in regions of maximum fluid density (A)... 1068
- JACKET, H. S.**
 Investigation of burnout heat flux in rectangular channels at 2000 psia (A)... 881
- JACKSON, R. L.**
 Importance of matching steam temperatures with metal temperatures during starting of large steam turbines (A)... 483
- JACKSON, T. W.**
 Combined free and forced convection in a constant-temperature vertical tube (A)... 965
- JACOBS, H. I.**
 Body cooling and hand cooling..... 1032
- JACOBSON, E. W.**
 Member of 1957 ASME Council..... 94
- JACOBSON, JOSEPH WILLIAM**
 Metallurgical yield-stress observation by means of stressing metallograph...
 Receives Old Guard Prize..... 74
- JACOBSON, JERALD FRANCIS**
 Obiuary..... 826
- JAPAN**
 Japan Society of Automatic Control receives ASME scroll..... 780
- JARDH, WILHELM**
 Obiuary..... 826
- JAROSS, R. A.**
 5000-gpm electromagnetic and mechanical pumps for the EBR-II sodium system (A)...
 60-cycle induction heating of sodium systems (A)... 474
- JAY, R. D.**
 Fork truck stability—a study in moments (A)... 379
- JEFFRIES, ROBERT J.**
 Elected president of ISA..... 1183
- JENKINSON, J. R.**
 Low-temperature deposits and corrosion in boilers (A)... 481
- JENNINGS, B. H.**
 Bibliography on free-piston engines and compressors..... 339
- JET PROPULSION. See AIRPLANE ENGINES, HELICOPTERS**
- JET PUMPS**
 Control of steam-jet vacuum pumps (A)... 1169
- JETS. See FLOW OF FLUIDS**
- JEWETT, ARTHUR CRAWFORD**
 Obiuary..... 1214
- JIMBO, HISAO**
 Investigation of the interaction of windage and leakage phenomena in a centrifugal compressor (A)... 482
- JOHANNES, C.**
 Heat transfer and pressure drop in odd-shaped annuli (A)... 1069
- JOHNSON, A. J.**
 Evaluating coal by utilization cost (A)... 383
- JOHNSON, D. S.**
 Velocity, temperature, and heat-transfer measurements in a turbulent boundary layer downstream of a stepwise discontinuity in wall temperature (A)... 485
- JOHNSON, E. S.**
 Automatic machining in furniture manufacture (A)... 678
- JOHNSON, J. A.**
 Rail highway co-ordination (A)... 675
- JOHNSON, L. G.**
 Use of high-speed computers in the design and appraisal of helical gears (A)... 486
- JOHNSON, N. R.**
 Influence of gradient temperature fields on thermocouple measurements (A)... 960
- JOHNSON, R. L.**
 On friction and lubrication at temperatures to 1000 F with particular reference to graphite (A)... 1165
- JOHNSON, ROGER S.**
 Practical unit of length—the four-inch "fnt" (C)... 593
- JOHNSON, W. E.**
 P. A. R. homogeneous reactor (cond.)...
 Pennsylvania advanced reactor-process description (A)... 1161
- JOINTS. See CEMENTED JOINTS, RIVETED JOINTS, WELDED JOINTS**
- JONES, C. E.**
 Application of automatic digital-data-collecting to boiler testing...
 Convection heat transfer and pressure drop of air flowing across in-line tube banks, Part I (A)...
 Discussion of an application of automatic digital-data-collecting system to boiler testing (A)... 1017
- JONES, G. T.**
 Condenser at Portland (A)... 1163
- JORGENSEN, S. M.**
 Overstrain and bursting strength of thick-walled cylinders (A)... 1063
- JOSEPH, L.**
 Control of flow distribution by mixing headers (A)... 1067
- JURGENSEN, C. A.**
 Tailoring a training program to company needs (A)... 584
- K**
- KAEHPPFERT, WALDEMAR BERNHARD**
 Obiuary..... 326
- KAHLER, H. LEWIS**
 Conductivity versus sodium by flame spectrophotometer in steam purity studies (A)... 480
- KALMAN, R. E.**
 Design of a self-optimizing control system (A)... 587
- KALWITZ, MYLES FRED**
 Obiuary..... 162
- KANTER, J. J.**
 On the quality requirements for steel valves for nuclear power plants (A)... 474
- KARAM, H. J.**
 Polymer properties involved in process equipment design (A)... 481
- KARSCHAU, KENNETH**
 Design and construction problems of APFH-1 (A)... 769
- KATAS, E. J.**
 Diesel operation and fault diagnosis (BR)... 1077
- KATZ, D. L.**
 Heat transfer from superheated vapors to a horizontal tube (A)... 1068
- KATAN, C. F.**
 Analysis of a process-fluid-flow network by electrical analogy (A)...
 Performance prediction for a process heat-and-power complex by resistance concept (A)... 590
- KAYE, JOSEPH**
 Experimental and analytical study of two-component two-phase flow in an ejector with condensation (A)...
 Modes of adiabatic and diabatic fluid flow in an annulus with an inner rotating cylinder (A)... 775
- KAYS, W. M.**
 Heat transfer from a rotating cylinder with and without cross flow (A)... 187
- KECECIOGLU, D.**
 Force components, chip geometry, and specific cutting energy in orthogonal and oblique machining of SAE 1015 steel (A)...
 Shear-strain rate in metal cutting and its effects on shear flow stress (A)...
 Shear-sense temperature in metal cutting and its effects on shear-flow stress (A)... 479
- KEDY, STILES F.**
 Obiuary..... 626
- KEENAN, J. H.**
 Head loss in flow through a cyclone dust separator or vortex chamber (A)... 382
- KELLER, CURT**
 Receives ASME Gas Turbine Power Award..... 904
- KELLER, W. M.**
 Atomic-powered locomotive? (D)...
 Use of atomic energy in the testing of materials... 258
- KELLY, JOHN THOMAS**
 Obiuary..... 716
- KENNEDY, WILLIAM ARTHUR**
 Obiuary..... 716
- KERN, D. Q.**
 Horizontal condenser theory—Part I, Mathematical development of tube loading (A)... 1068
- KERR, S. LOGAN**
 Honored by ASME for Committee work..... 1181
- KETIN, J.**
 Corrections for the oscillating-disk viscometer (A)...
 Viscosity of five gases: a re-evaluation (A)... 381
- KETTERING, CHARLES FRANKLIN**
 Professional amateur: the biography of Charles Franklin Kettering (BR)... 498
- KIDDER, R. E.**
 Unsteady flow of gas through a semi-infinite porous medium (A)... 885
- KILMER, J. W.**
 Eight years of experience with inert gas equipment (A)... 1067
- KINCAID, LEROY MILLER**
 Obiuary..... 1214
- KINEMATICS**
 Graphical versus computer techniques—
 for mechanism analysis (A)...
 Simple formula for determining the position of maximum slider velocity in a slider-crank mechanism (A)...
 Synthesis of four-bar mechanisms by the method of components (A)... 383
- KING, J. A.**
 Evolution of a small turbojet (A)... 283
- KING, T. H.**
 Problems encountered in the selection and use of air-cooled, heat-transfer equipment (A)... 47
- KINGERY, W. D.**
 Development of ceramic insulating materials for high-temperature use (A)... 961
- KITTREDGE, JOHN W.**
 Obiuary..... 218
- KITTRIDGE, C. P.**
 Resistance coefficients for laminar and turbulent flow through one-half-inch valves and fittings (A)... 482
- KLEIN, J. D.**
 Development of ceramic insulating materials for high-temperature use (A)... 961
- KLINE, L. V.**
 Work capacities of energy storage systems on basis of unit weight and unit volume (A)... 682
- KLINE, S. J.**
 The "state principle"—some general aspects of the relationships among the properties of systems (A)... 381
- KNAPP, R. T.**
 Accelerated field test of cavitation intensity (A)... 288
- KO, SHAO-YEN**
 Laminar mass and heat transfer from ellipsoidal surfaces of fineness ratio 4 in axisymmetrical flow (A)... 880
- KOCH, T. F.**
 Logic of organizational planning..... 836
- KOENIG, F. O.**
 The "state principle"—some general aspects of the relationships among the properties of systems (A)... 381
- KOENIG, JOHN H.**
 New materials that the design engineer should know about—ceramics and refractory materials... 725
- KOENIGSBERGER, F.**
 Impact stresses in drop-hammer guides (A)... 588
- KOGA, TOSYOKI**
 Method for solving problems of irrotational gas flow by means of high-speed digital computers (A)... 971
- KOFF, JOSEPH LEONARD**
 Joseph Leonard Koff—a tribute (Ed)... 1111
- KRAYBILL, R. R.**
 Heat transfer and pressure drop in odd-shaped annuli (A)... 1069
- KRIEDEL, A. R.**
 Stall propagation in a cascade of airfoils (A)... 968
- KRIEGSHEIM, HEINRICH**
 Obiuary..... 1010
- KREISLE, L. F.**
 Surface roughness—a criterion for minimum hydrodynamic oil-film thickness of short journal bearings (A)... 50
- KREITER, M. R.**
 Heat transfer "beyond burnout" for forced-convection bulk boiling (A)... 765
- KREITH, F.**
 Heat transfer from a rotating disk in turbulent flow (A)... 375

- KU, Y. H.
Phase-space method for analysis of nonlinear control systems (A)..... 189
- KUECHLER, GUSTAVE HENRY
Obituary..... 422
- KUERN, F. W.
Controlled starting and loading of modern power stations (A)..... 1160
- KUHN, E. C.
Influence of load and thermal distortion on the design of large thrust bearings (A)..... 775
- ## L
- LADLER. *See* IRON AND STEEL MANUFACTURE
- LAFPOON, CARTHRAE MERRETTE
Obituary..... 826
- LAIRD, A. D. K.
Two-phase flow in rough tubes (A)..... 968
- LAKS, H.
Effect of stress on creep at high temperatures (A)..... 285
- LAMBERTSON, T. J.
Performance factors of a periodic-flow heat exchanger (A)..... 882
- LANDAU, H. G.
Simple procedure for improved accuracy in the resistor-network solution of Laplace's and Poisson's equations (A)..... 285
- LANDIS, F.
Effectiveness of stub fins as determined by the Teledeltos paper analog (A)..... 960
- LANDIS, JAMES NOBLE
Biography..... 812
Nominated for president, 1957-1958..... 812
- LANGE, E. PAUL
EJC and affiliate member societies..... 20
- LANGMUIR, IRVING
Obituary..... 919
- LAPPING. *See* METAL FINISHING
- LAPLEY, J. T.
Stresses after hardness..... 1127
- LARINOFF, M. W.
Cooling towers for steam-electric stations—selection and performance experiences (A)..... 191
- LARKIN, ALBERT CHESBRO
Obituary..... 126
- LARSON, R. N.
Use of heavy fuel in high-speed diesel engines on river towboats (A)..... 676
- LASSITER, L. W.
Turbulence in small air jets at exit velocities up to 705 feet per second (A)..... 971
- LASELO, T. S.
Solar furnace (D)..... 386
- LATHER. *See* MACHINE TOOLS
- LATSHAW, ELMER
Obituary..... 530
- LATX, R. J.
Component fatigue analysis for maintenance..... 656
- LEAD
Radiographic inspection of lead linings during fabrication (D)..... 686
- LEAD-BISMUTH
Heat transfer to lead-bismuth in turbulent flow in an annulus (A)..... 187
- LEBELL, D.
Multipliers for nonlinear compensation of control systems (A)..... 587
- LEER, SIDNEY
Design basis for cascade-type positional servomechanisms (A)..... 189
- LEFEVRE, LEROY MILLER
Obituary..... 1214
- LEIGHTON, M. D.
Heat transfer and fluid friction during flow across banks of tubes (A)..... 376
- LEITH, W. C.
Progress report on standardization of the vibratory-cavitation test (A)..... 185
- LESLIE, BERNARD SHEPARD
Obituary..... 914
- LESSIG, OSCAR IRA
Obituary..... 422
- LESTER, J. T., JR.
Two applications of a digital computer to machine design problems (A)..... 280
- LETOURNEAU, B. W.
Pressure drop for parallel flow through rod bundles (A)..... 483
- LETOURNEAU, R. L.
Mobile and fixed platforms for waters up to 600 ft (A)..... 1061
- LEUNBERGER, H.
Compilation of radiation shape factors for cylindrical assemblies (A)..... 374
- LEVATA, ANTHONY A., JR.
Obituary..... 826
- LEVINS, A. S.
Alignment diagrams (D)..... 494
- LEVINE, P.
Two-dimensional inflow conditions for a supersonic compressor with curved blades (A)..... 381
- LEVINE, Z.
Wetting effects on boiling heat transfer—the copper-stearic acid system (A)..... 1068
- LEWIS, F.
Current development problems in high-temperature aircraft roller bearings (A)..... 1164
- LEWIS, T. O., JR.
Ultrafinishing—a new high-precision lapping process (A)..... 184
- LI, J. P.
Beams of uniform strength subjected to uniformly distributed loading (A)..... 380
- LICHT, L.
Self-excited vibrations of an air-lubricated thrust bearing (A)..... 1163
- LIDBURY, FRANK AUSTIN
Obituary..... 532
- LIEBERMAN, ARTHUR ARNOLD
Obituary..... 1106
- LIGNITE. *See* FUELS
- LIN, D. J. L.
Application limits and accuracies of control-valve flow coefficient CV (A)..... 49
- LINDSAY, A. L.
Design and testing of containment provisions for the engineering test reactor (A)..... 973
Engineering and construction of the engineering test reactor—Part II (A)..... 769
- LING, CHIH-BING
Stresses in a perforated strip (A)..... 776
- LING, F. F.
On the theoretical analysis of a dynamic thermocouple (A)..... 291
- LINKAGES. *See* MECHANISMS
- LIQUID METALS. *See* HEAT TRANSFER, LEAD-BISMUTH, MERCURY, POWER PLANTS—NUCLEAR
- LOCHIANO, R.
Remote-controlled, engine-driven, centrifugal, gas-compressor station (A)..... 48
- LOCOMOTIVES
Atomic-powered locomotive? .266, (D) 687
Locomotives for Egypt (A)..... 672
Progress in railway mechanical engineering—1955-1956..... 140
Rail and flange lubrication in motion (A)..... 673
- LOCOMOTIVES—DIESEL
Dual-powered high-speed locomotive..... 341, (D) 1074
Use of economy fuels on diesel locomotives (A)..... 673
- LOCOMOTIVES—GAS-TURBINE
Gas-turbine locomotives (A)..... 358
Gas-turbine maintenance in severe service..... 639
- LOGISTICS. *See* PETROLEUM INDUSTRY
- LOGUE, CHARLES HAYES
Obituary..... 422
- LONDON, A. L.
Heat-transfer and flow-friction characteristics of woven-screen and crossed-rod matrices (A)..... 377
- LONG, F. VINTON
Supervisory control on gas pipelines (A)..... 1064
- LONGENECKER, CHARLES K.
Obituary..... 326
- LONGSTRETH, M. O.
"Zytel" nylon resin (D)..... 498
- LOOMS. *See* TEXTILE INDUSTRY
- LOONEY, ROBERT
Method for presenting the response of temperature-measuring systems (A)..... 189
- LOUDEN, JAMES KEITH
Biography..... 70
Receives Worcester Reed Warner Medal..... 70
- LOUTREL, CYRUS HENRY
Obituary..... 626
- LOUZECKY, P. J.
Design and development of a two-cycle turbocharged diesel engine (A)..... 380
- LOVELY, JOHN E.
Receives Certificate of Award for ASME standards work..... 1001
- LUBKIN, J. L.
Theory of adhesive scarf joints (A)..... 285
- LUBRICANTS AND LUBRICATION. *See also* BEARINGS, RESEARCH
Bearings, lubricants, and lubrication—a digest of 1956 literature..... 842
Behavior of the lubricating film and side leakage of dynamically loaded bearings (A)..... 1164
Bibliography..... 850
Current development problems in high-temperature aircraft roller bearings (A)..... 1164
Effect of lubricant inertia in journal-bearing lubrication (A)..... 971
Electrical effects accompanying the stick-slip phenomenon in boundary lubrication (A)..... 292
Experiments on gas-lubricated journal bearings (A)..... 51
Heat-transfer effects in hydrostatic thrust bearing lubrication (A)..... 51
Lubrication conference to review research effects in October..... 708
Oil seals to provide positive lubrication on large or high-speed thrust bearings (A)..... 774
On friction and lubrication at temperatures to 1000 F with particular reference to graphite (A)..... 1165
On the theory of grease-lubricated thrust bearings (A)..... 52
Rail and flange lubrication in motion (A)..... 673
Self-monitoring lubrication (A)..... 462
Solution of Reynolds equation for finite journal bearings (A)..... 1164
Surface deformations in the hydrodynamic slider-bearing problem and their effect on the pressure development (A)..... 1164
Surface roughness—A criterion for minimum hydrodynamic oil-film thickness of short journal bearings (A)..... 50
Theoretical and experimental analysis of hydrodynamic gas-lubricated journal bearings (A)..... 1164
Titanium not harmful to lubricants (A)..... 1055
- LUNCHIE, M. E.
Behavior of cylinders with initial shell deflection (A)..... 970
- LUND, JOHN BASTINE
Obituary..... 826
- LUNDBERG, R. M.
Determination of heat content of coal by regression analysis (A)..... 53
- LYKOUDES, F. S.
Heat transfer in liquid metals (A)..... 965
- LYLE, J. E.
Cold-weather pipe lining (A)..... 47
- LYNCH, FRANK WAGNER, JR.
Obituary..... 126
- LYON, F. H.
Some suggestions for research in diaphragm technology (A)..... 487
- LYFE, E. F.
Determination of the equation of state from wave-front observations (A)..... 291
- ## M
- MACADAM, J.
Fabrication of vulcanized fiber..... 154
- MACALUSO, C. A.
Automatic, spray desuperheating, closed system for testing compressors (A)..... 482
- MCBRIAN, RAY
Use of atomic energy in the testing of materials (D)..... 782
Use of economy fuels on diesel locomotives (A)..... 675
- MCCABE, IRA EMMETT
Obituary..... 628
- MCCABE, J. L.
Cleaning methods used in the overhaul of aircraft gas-turbine power plants (A)..... 680
- MCCONE, ALAN
Economics of contract maintenance (A)..... 771
- MCCORMACK, DANIEL JAMES
Obituary..... 628
- MCCORMACK, J. A.
Are engineers underpaid?—the problem..... 165
- MCCRAW, HOWARD CABE
Obituary..... 916
- MCCULLOUGH, C. ROGERS
Design of reactor systems for safety..... 251

- MACCULLOUGH, GLEASON HARVEY
Obituary 218
- MCDANIEL, WYEMOUTH N.
Enrico Fermi fast-breeder reactor
(cond.) 240
- MACDONALD, WILLIAM ROY
Obituary 628
- MCDOWELL, E. L.
Axisymmetric thermal stresses in a
spherical shell of arbitrary thickness
(A) 885
- MACDUFF, J. N.
Vibration design charts (A) 190
- MC EWEN, L. H.
Heat transfer "beyond burnout" for
forced-convection bulk boiling (A) 768
- MACFARLANE, W. A.
Industrial fuel utilization in the United
Kingdom (A) 53
- MC FERRON, D. E.
Transient interface temperatures in
plain peripheral milling (A) 479
- MCGANN, PAUL W.
Relative demand for fuels 550
- MCGINNIS, R. E.
Experimental determination of gear
tooth stresses in large marine gears
(A) 290
- MACHINE DESIGN. *See also* HUMAN
ENGINEERING
Plating-machine design (A) 952
Two applications of a digital computer to
machine design problems (A) 289
- MACHINE-SHOP PRACTICE
Boring machine for ultraprecision work
(A) 44
Heavy-duty radial boring machine (A) 182
Plastic jigs and fixtures (A) 1053
240-in-stroke broaching machines (A) 177
- MACHINE-TOOL INDUSTRY
Machine-tool shipments (A) 366
- MACHINE TOOLS. *See also* AUTOMATIC
CONTROL, DRILLS, METAL CUTTING
"Building-block" finishing machine (A) 459
Ceramic and carbide tool performance
tests (A) Part I, 184; Part II,
Copying lathes as transfer machines (A) 967
Development of the Natick feed-rate
indicator (A) 958
Mechanical transfer mechanism which
simulates the action of an operator's
hand and arm (A) 589
Numerically controlled machine tools
(A) 471
Some B.S.A. tools (A) 356
- MACHINERY
Component fatigue analysis for main-
tenance 958
- MACHINING. *See* WOODWORKING MA-
CHINERY
- MACHOL, ROBERT E.
Introduction to operations research
(BR) 800
- MACINNES, W. F.
Effect of intake combustion-air condi-
tioning on performance of spark
ignition gas engines (A) 678
- MCINTYRE, JAMES K.
Obituary 422
- MCINTYRE, WILLIAM STUART
Obituary 532
- MCKAY, R. A.
Paper honeycomb used for core materials
at the Brunswick Balke Collender
Company (A) 679
- MACKAY, C. O.
Convection heat transfer and pressure
drop of air flowing across in-line tube
banks, part II (D) 291
- MCLEAN, E. C.
Failure of a welded drying drum by
caustic embrittlement (AC) 686
- MCMAHON, E. C.
Fly-ash refining (A) 53
- MCNAUGHTON, A. G. L.
Honorary member of Engineering Insti-
tute of Canada 1181
- MCMURNEY, HENRY FRANCIS
Obituary 1106
- MAGNINIS, F. J.
Application of digital computers to bear-
ing design (A) 288
Electronic data processing machines;
controls for design and engineering
procedures 632
- MAGNER, H. J.
Appalachian Basin air drilling—three
years' experience and results (A) 1065
- MAGNESA, L. S.
Nodal patterns of the free flexural vibra-
tions of stiffened plates (A) 972
- MAGNETISM
Doubly oriented magnetic sheet (A) 952
Improved magnetic alloy (A) 362
Superstrong magnet (A) 169
- MAHALINGAM, S.
Forced vibrations of systems with non-
linear, nonsymmetrical characteristics
(A) 973
- MAINTENANCE. *See also* AIRPLANE
ENGINES, PETROLEUM REFINING
Control of manpower and material by
planning and scheduling maintenance
work (A) 771
Designing process plants in relation to
maintenance (A) 878
Developments in the analysis of main-
tenance problems 931
Economics of contract maintenance (A) 771
Mechanical design approach to simplified
maintenance (A) 681
Preventive maintenance plan for gas-
products plants and related operations
(A) 771
- MALCOLM, D. G.
Industrial engineering—a definition and
forecast (AC) 496
- MALEEV, VLADIMIR LEONIDAS
Obituary 1214
- MALLETTE, F. S.
Air pollution handbook (BR) 783
Encyclopedia of instrumentation for
industrial hygiene (BR) 783
- MALONEY, MICHAEL JOSEPH
Obituary 126
- MANAGEMENT. *See also* FOREMAN TRAIN-
ING, MAINTENANCE, ORGANIZATION,
PRODUCTION CONTROL, QUALITY CON-
TROL
Australia and the challenge of change
(BR) 1175
Control of the engineering functions in
a decentralized company (A) 584
Development of engineering managers
through planned education and train-
ing 741
Electronic data processing machines;
controls for design and engineering
procedures 632
Engineering as a function of manage-
ment (A) 484
"Engineering-management controls" is
theme of conference, Pittsburgh, 1957 210
Engineers study administration (A) 485
Human factors in engineering manage-
ment 152, (D)
Personality factors in engineering prac-
tice (A) 974
Tailoring a training program to com-
pany needs (A) 584
- MANJOINE, M. J.
Creep characteristics of type 347 stain-
less steel at 1050 and 1100 F in tension
and compression (A) 188
- MANN, HARVEY BLAINE
Obituary 126
- MANN, L. B., JR.
Determination of turbine-stage perfor-
mance for an automotive power plant
(A) 580
- MANNING, GEORGE
Power drives for warp-preparation ma-
chines (A) 1168
- MANOMETERS. *See* INSTRUMENTS—PRES-
SURE
- MANPOWER
Can women crash the gate? 598
Classroom first line of defense in fight
to wipe out engineering manpower short-
age 893
- MANSON, S. S.
Practical solution of plastic deformation
problems in the elastic-plastic range
(A) 478
- MANSON, S. V.
Gas friction—heat transfer charts for
ducted flows (A) 966
- MANUFACTURING. *See also* GAGES, PRO-
DUCTION CONTROL, QUALITY CONTROL
Engineering—tooled for action (A) 484
Fabrication of vulcanized fiber 154
How Timken research, engineering, and
management developed and built its
mechanized roller bearing plant 981
Manufacturing small engines (A) 1166
Mechanical assembly equipment—some
economic considerations in its develop-
ment and use 332
Production engineering of large liquid-
fuel rocket engines (A) 582
Production engineering of solid-fuel
rocket motors (A) 582
- MARCO, S. M.
Effects of complex stress-time cycles on
the fatigue properties of metals (A) 189
- MARCO (continued)
Work capacities of energy storage systems
on basis of unit weight and unit volume
(A) 682
- MARINE ENGINEERING. *See also* BOILERS,
GEARS, GAS TURBINES
Air and gas duct system for the gas-
turbine vessel John Sergeant (A) 284
Design features of a gas turbine for a
supercharged boiler (A) 1166
Designing the marine gas turbine 860
40-ft personnel boat with gas-turbine
propulsion-engine installation features
and operating experience (A) 284
Nuclear power for ship propulsion (A) 1158
Variations in marine-engine performance
(A) 677
- MAROU, J. C.
Dec braking of a-c motors in the textile
industry (A) 1168
- MARQUARDT, C. M.
Weighing and blending with pneumatic
belt scales 934
- MARTIN, ELMER C.
Obituary 914
- MARTIN, G. H.
Undercutting of spur gear teeth (A) 589
- MARTIN, M. D.
Nuclear weapons engineering (A) 768
- MARTIN, RONALD J.
Allocation of heat in an industrial power
plant—a practical approach 743
- MARTIN, W. T.
Generalized presentation of gas-turbine
combustor performance (A) 581
- MARTIN, W. J.
Electronic data processing machines;
controls for design and engineering
procedures 632
- MASON, JOHN ROBERTS
Obituary 1216
- MASS TRANSFER. *See* FLOW OF FLUIDS
- MASTIC. *See* COATINGS
- MASUR, E. F.
Collapse strength of redundant beams
after lateral buckling (A) 382
- MATER, M. H.
Mechanical unit for taper sawing (A) 882
- MATERIALS HANDLING. *See also* AIR
TRANSPORT, HOISTING MACHINERY,
INDUSTRIAL TRUCKS, WAREHOUSES
Belt feeders 1042
"Hot material" conveyor belt (A) 179
Materials handling in product finishing
(A) 379
Materials handling of bulk materials in
the meat-packing industry (A) 378
Materials in motion 1116
Planobot—a universal transfer device
which simulates arm, wrist, and hand
motions (A) 949
Reducing power consumption in hy-
draulic circuits (D) 495
Report on the material handling equip-
ment industry (A) 949
- MATERIALS TESTING. *See also* RADIO-
GRAPHIC INSPECTION
Progress report on standardization of the
vibratory-cavitation test (A) 185
- MATHEMATICS
Algebraic approach to design of auto-
matic controls (A) 587
Direct method for determining Airy
polynomial stress functions (A) 886
Effect of logarithmic element in an other-
wise linear process-control system (A) 49
Improvement of the Holzer table based
on a suggestion of Rayleigh's (A) 285
New approach to the theory of thin,
slight cambered profiles (A) 381
New finite-difference technique for solu-
tion of the heat-conduction equation,
especially near surfaces with convec-
tive heat transfer (A) 290
Optimization of time-varying linear
systems with nonstationary inputs
(A) 588
Saint Venant's principle: a biharmonic
eigenvalue problem (A) 884
The sector problem (A) 776
Simple procedure for improved accu-
racy in the resistor-network solution of
Laplace's and Poisson's equations
(A) 285
Superharmonic oscillations as solutions
to Duffing's equation as solved by an
electronic differential analyzer (A) 970
- MATNEY, C.
Design features and development of the
cross-compound, single flow turbine
with axial exhaust—for the Portland
Station (A) 1163
- MATTER, JOHN F.
Obituary 422

- MATTHEWS, JOHN ELMER
Obituary 716
- MATUSEAK, J. M.
Mechanical unit for taper sawing (A) ... 882
- MAULL, W. W.
Fly-ash refining (A) 53
- MAUTZ, F. F.
Approach to the selection of steam unit size for a large hydrosteam system (A) 967
- MAXWELL, BRYCE
Developments in plastic engineering—1955-1956 161, 783
- MAY, W. F.
Appraisal of compressor-cylinder cooling requirements (A) 677
- MAYER, E.
Estimation of temperature patterns in multiply shielded systems (A) 376
- MEASURES. *See* PHYSICAL UNITS
- MECHANISMS. *See also* CAMS
Mechanical transfer mechanism which simulates the action of an operator's hand and arm (A) 471
Proposed standardized system for notation and classification of the four-bar linkage (A) 1169
Simple formula for determining the position of maximum slider velocity in a slider-crank mechanism (A) 589
Synthesis of four-bar mechanisms by the method of components (A) 287
- MEDALS. *See* HONORS AND AWARDS
- MEDICAL RESEARCH
Use of ionizing radiations in control of parasitic infections (A) 477
- MEDTIZ, ROBERT FRANK
Obituary 532
- MEKHAN, J. P.
Body cooling and hand cooling 1032
- MELDRUM, C. W.
Materials handling—equipment and techniques for loading and unloading all-cargo aircraft (A) 384
- MEMBRANE ANALOGY
Torsion and flexure of slender solid sections (A) 1167
- MENDELSON, A.
Practical solution of plastic deformation problems in the elastic-plastic range (A) 478
- MENKES, SHERWOOD B.
Developing social awareness in engineers 457, 1076
- MERCHANT, M. E.
On the basic mechanics of the grinding process (A) 378
Production research in metal cutting 1137
- MICKEL, K. R.
Time and temperature dependence of thermal stresses in cylindrical fuel elements (A) 477
- MERCURY
Heat-transfer rates to cross-flowing mercury in a staggered tube bank—II (A)
Heat transmission to fluids with low Prandtl numbers for flow through tube banks (A) 964
- METAL COATING
Gold-coated engine shrouds for airplanes (A) 955
- METAL CREEP
Creep characteristics of type 347 stainless steel at 1050 and 1100 F in tension and compression (A) 188
Effect of stress on creep at high temperatures (A) 286
- METAL CUTTING. *See also* DRILLS, GEARS, GRINDING, MACHINE TOOLS
Ceramic and carbide tool performance tests—Part I, 184; Part II 967
Chatter of lathe tools under orthogonal cutting conditions (A) 774
Experimental measurement of metal-cutting temperature distributions (A)
Force components, chip geometry, and specific cutting energy in orthogonal and oblique machining of SAE 1015 steel (A) 480
Metal-cutting analyses of the past hundred years (D) 294
Metalworking lubrication—a digest of 1956 literature 847
Production research in metal cutting 1137
Shear-strain rate in metal cutting and its effects on shear flow stress (A) 479
Shear-zone temperature in metal cutting and effects on shear-flow stress (A) 774
Temperature distribution at tool-chip and tool-work interface in metal cutting (A) 479
Tool-work-thermocouple compensating
- METAL CUTTING (continued)
circuit (A) 479
Transient interface temperatures in plain peripheral milling (A) 479
- METAL DRAWING
Elevated temperature drawing (A) 276
Five-stage horizontal transfer press (A) 470
- METAL EXTRUSION
Back extrusion of heavy-walled Zircaloy-2 cups (A) 590, 936
Cold extrusion of unalloyed titanium (A) 378
Experimental and theoretical pressures and velocity fields for various lead extrusions (A) 292
- METAL FAILURES
Investigation of the generator rotor burst at the Pittsburgh Station of the Pacific Gas and Electric Company (A)
Operating experience with high-temperature steam rotors and design improvements in rotor blade fastening (A) 1162
- METAL FATIGUE. *See also* METAL TESTING—FATIGUE, THERMAL STRESSES
Component fatigue analysis for maintenance 656
Fatigue of metals under combinations of stresses (A) 190
Motion pictures of metal fatigue (A) 38
- METAL FINISHING
Ultrafinishing—a new high-precision lapping process (A) 184
- METAL FORMING. *See also* METAL EXTRUSION, METAL SPINNING
Floturb—a production process as well as a development (A) 967
Metalworking lubrication—a digest of 1956 literature 847
Spin-forging combines features of vertical spinning lathe with forging process (A) 950
- METAL ROLLING
Titanium-sheet-rolling program 1112
- METAL SPINNING
Forming of titanium head shapes (A) 172
- METAL TESTING. *See also* STEEL ALLOYS
Flow and fracture of nodular cast iron (A) 188
Nonhomogeneous yielding of steel cylinders; 1-mild steel (A) 188
Stresses alter hardness 1127
- METAL TESTING—FATIGUE
Effects of complex stress-time cycles on the fatigue properties of metals (A) 189
Million pound high-speed dynamic fatigue-test machine (A) 589
Statistical appraisal of the Prot method for determination of fatigue endurance limit (A) 382
- METAL TESTING—HARDNESS
Internal microhardness testing (A) 361
- METAL TESTING—TENSION
Delayed-yield time effects in mild steel under oscillatory axial loads (A) 188
- METALLOGRAPHY
Failure of a welded drying drum (D) 684
Metallurgical yield-stress observation by means of stressing metallograph 13
- METALLURGICAL FURNACES. *See* INDUSTRIAL FURNACES
- METALLURGY. *See also* METALLOGRAPHY
Demystifying inclusions (A) 361
Eight years of experience with austenitic-steel piping materials at elevated steam conditions (A) 290
Metallurgical briefs (A) 360, 955
Metallurgical considerations of main steam piping for high-temperature, high-pressure service (A) 289
New developments discussed at American Ordnance Association meeting 112
Vacuum metallurgy—the “age-old art of brazing” combined with vacuum techniques 1039
- METALS
New materials that the design engineer should know about 720
Theoretical criterion for the fracture of metals under combined alternating stresses (A) 486
- METERS. *See* INSTRUMENTS
- METZNER, MAXWELL WALLACE
Obituary 916
- MEYER, HENRY CODDINGTON
Obituary 916
- MILBRADT, K. P.
Collapse strength of redundant beams after lateral buckling (A) 382
- MILES, V. H.
Study of industrial-engine operation (A) 676
- MILEY, NORRIS, E.
Application of plastic tape to 22 miles of 22-in.-diam natural gas pipeline (A) 1060
- MILLER, EARL C.
Utilization of lignite; a comparison between spreader-stoker and pulverized-lignite firing in steam generation 23, 890
- MILLER, H. M., JR.
Human factors in engineering management 152
- MILLING. *See also* METAL CUTTING
Numerically controlled milling machines (A) 866
- MILLS, D. A.
Recent advances in food technology (AC) 390
- MILNE, G. R.
Indian Point pressurized-water reactor (cond.) 233
- MINDLIN, R. D.
Influence of width on velocities of long waves in plates (A) 885
Stress-strain relations and vibrations of a granular medium (A) 776
- MISSILES
Arnold Engineering Development Center 8
Boron fuels for transonic aircraft and missiles (A) 1047
Designing equipment for reliability 1142
Missile tester (A) 37
- MITCHELL, C. J. B.
Standardization of centrifugal chemical pumps (A) 878
- MITCHELL, LESTER FELTER
Obituary 828
- MIXING. *See also* FLOW OF FLUIDS
High-horsepower Banbury mixing (A) 292
- MOCHEL, N. L.
Operating experience with high-temperature steam rotors and design improvements in rotor blade fastening (A) 1161
- MOFFAT, R. J.
Designing thermocouples for response rate (A) 580
- MOLÉ, HARVEY EDWARD
Obituary 828
- MOMENT OF INERTIA. *See* APPLIED MECHANICS
- MONGEON, RALPH KENNETH
Obituary 422
- MONNIE, H. J.
Designing process plants in relation to maintenance (A) 878
- MONROE, E. S., JR.
Convection heat transfer and pressure drop of air flowing across in-line tube banks, Parts I and II (A) 291
- MONROE, H.
Air and gas duct system for the gas-turbine vessel John Sargeant (A) 284
- MOORE, C. C.
Current development problems in high-temperature aircraft roller bearings (A) 1164
- MOORE, H. F.
Automatic computing for process-unit operating guides (A) 966
- MOORE, R. W., JR.
Skewed boundary-layer flow near the end walls of a compressor cascade (A) 377
- MOORE, S. C.
Report on results obtained by use of controlled drill-system torque in field operation (A) 1063
- MOORE, W. T.
Nuclear power trends (A) 1160
- MOREAU, B. L.
Peace River and Alaska Highway gas-gathering system (A) 966
- MORELLI, AMEDEO J.
Receives Undergraduate Student Award 74
- MORGAN, W. R.
Thermal conductivity of insulating materials for use in nuclear reactors (A) 1071
- MORI, M.
Statistical treatment of sampled-data control systems for actual random inputs (A) 585
- MORIARTY, C. D.
Ultrasonic detection of thin laminar inclusions (A) 1161

MOSER, E. I. Apparent frictional forces of clamping elements as used in the oil industry (A).....	385
MOTION PICTURES. <i>See</i> INDUSTRIAL FILMS, METAL FATIGUE, PHOTOG- raphy	
MOTOR VEHICLES Forced lateral oscillations of trailers (A).....	883
Free-piston-turbine tractor (A).....	460
Gas-turbine automobiles (A).....	643
Parking belt for automobiles (A).....	766
Safe automobile—a special design (A).....	1150
Sports cars from Britain (A).....	1151
MOTORS. <i>See</i> ROCKETS	
MOULTROP, IRVING E. Obituary.....	628
MOKHAM, ROBERT Obituary.....	422
MOYER, W. B. Design features of a gas turbine for a supercharged boiler (A).....	1166
MUELLER, E. L. New type automatic dispatching sys- tem at Kansas City (A).....	483
MURDOCK, W. L. Systems design for production-control data processing (A).....	584
MURPHY, A. H. Fast-response thermocouples using tu- bular hot-junction elements (A).....	879
MURPHY, J. J. Fabricated pressure piping as related to nuclear applications (A).....	474
Requirements for fabrication of pres- sure piping as related to service (A).....	1171
MURPHY, WILLIAM J. Obituary.....	326
MUSCHENHEIM, FREDERICK A. Obituary.....	422

N

NAGHDI, P. M. Stresses and displacements in an elasti- c plastic wedge (A).....	382
NASH, C. R. Fuel-handling system for a fast breeder reactor (A).....	475
NASH, W. A. Buckling of initially imperfect cylin- drical shells subject to torsion (A).....	382
NATURAL GAS Gas pulsations—the problem, Southern Gas Association's approach, and re- sults (A).....	676
NATURAL-GAS PIPELINES Application of plastic tape to 22 miles of 22-in.-diam natural gas pipelines (A).....	1060
Development and application of high density asphalt mastic coating (A).....	1060
Modernizing compressor station piping (A).....	1061
Operating considerations in the applica- tion of gas-turbine-driven centrifugal pipeline compressors (A).....	46
Peace River and Alaska Highway gas- gathering system (A).....	906
Pressure gradient sheet for rating gas pipelines (A).....	1061
Remote-controlled, engine-driven, cen- trifugal, gas-compressor station (A).....	48
Supervisory control of gas pipelines (A).....	1064
NAVIGATION. <i>See</i> COMPRESSED AIR, RADAR	
NAYLOR, GEORGE, M. Obituary.....	128
NEEDHAM, HOWARD HENRY Obituary.....	1106
NEITHERCUT, DONALD C. Are engineers underpaid?—a statistical analysis.....	166
NELSON, H. W. Ignitibility testing as a measure of the burning characteristics of solid fuels (A).....	52
NEOU, CHING-YUAN Direct method for determining Airy polynomial stress functions (A).....	886
NETS. <i>See</i> GRAPHICAL METHODS	
NETWORK ANALYSIS. <i>See</i> ELECTRIC ANALOGY	
NETWORKS. <i>See</i> MATHEMATICS	
NEWCOMB, ROBERT EVERETT Obituary.....	1216

NEWELL, FLOYD B. Diaphragm characteristics (A).....	486
NEWTON, ALWIN B. Gas-motor air conditioning.....	454
NEWTON, R. E. Professional associations (Digest).....	818
NOBELIUM. <i>See</i> CHEMICAL ELEMENTS	
NODULAR IRON. <i>See</i> CAST IRON	
NOMOGRAMS. <i>See</i> GRAPHICAL METHODS	
NONDESTRUCTIVE TESTING Are standards or codes practical for ultrasonic examinations of metals and weldments? (A).....	484
NONFERROUS METALS AND ALLOYS High-temperature alloy (A).....	275
New high-strength aluminum-bronze alloy (A).....	34
Production of nonferrous metals (A).....	663
NONLINEAR SYSTEMS. <i>See</i> AUTOMATIC CONTROL, SERVOMECHANISMS	
NOON, T. C. Missile auxiliary power-supply develop- ment (A).....	969
NORREN, A. E. Generalized presentation of gas-turbine combustor performance (A).....	581
NOZZLES Design of supersonic expansion nozzles and calculation of isentropic exponent for chemically reacting gases (A).....	376
Investigation of the end-wall boundary layer of a turbine-nozzle cascade (A).....	482
NUCLEAR FUELS Decay and storage of irradiated fuel (A).....	475
UO ₂ -NaK slurry studies in loops at 600 C (A).....	472
NUCLEAR WEAPONS Nuclear weapons engineering (A).....	768
NYE, D. D. Analytical study of linearized industrial process controllers (A).....	49
NYE, EDWIN P. U. S. industry (D).....	294

O

OAKLEY, W. E. Selection of carbide-tipped saw blades for optimum performance (A).....	678
OCVIRK, F. W. Properties of misaligned journal bear- ings (A).....	50
OFFSHORE DRILLING. <i>See</i> PETROLEUM INDUSTRY, PETROLEUM-WELL EQUIP- MENT	
OHNGREN, H. A. Nuclear engineering—where do we stand?..... 224, (correction) Nuclear powered gas turbines for light weight power plants (A).....	593
OIL FLOODING. <i>See</i> PETROLEUM IN- DUSTRY	
OIL FUEL Notes on catalytic-cracked fuels.....	651
OLDENBURGER, R. Algebraic approach to design of auto- matic controls (A).....	587
Signal stabilization of a control system (A).....	486
OLSEN, A. G. Recent advances in food technology (AC).....	390
ONNEN, D. S. Dual powered, high-speed locomotive (D).....	1074
OPERATIONS RESEARCH Introduction to operations research (BR).....	800
OPPENHEIM, A. K. Professional thinking (Digest).....	819
OPTICAL INSTRUMENTS Optical tooling (A).....	277
ORDNANCE Practical aspects of relay or pulse servo- mechanisms (A).....	585
ORGANIZATION Logic of organizational planning.....	836
Organize your engineering project (A).....	1172
ORTLA, FREDERICK L. Obituary.....	532
ORTLOFF, J. E. Development and field-testing of wire line retractable rock bits (A).....	1065
ORTMAN, F. W. Isolasticity in gyro rotor bearings (A).....	1164

OSCILLATION. *See* VIBRATION

OSTERLE, J. F. Effect of lubricant inertia in journal- bearing lubrication (A).....	971
Heat-transfer effects in hydrostatic thrust bearing lubrication (A).....	51
Influence of gradient temperature fields on thermocouple measurements (A).....	960
Surface deformations in the hydro- dynamic slider-bearing problem and their effect on the pressure develop- ment (A).....	1164
OSTRACH, S. On the stagnation of natural-convection flows in closed-end tubes (A).....	881
OTHUS, JAMES CAREY Obituary.....	828
OTTESEN, REALP How to analyze the cost of machine tools (AC).....	391
OUTWATER, J. OGDEN Fundamental mechanics of reinforced plastics (A).....	292
OWENS, J. E. Control problems in sodium-cooled graphite-moderated reactors (A).....	749
OZDAG, M. N. Behavior of the lubricating film and side leakage of dynamically loaded bearings (A).....	1164
OSLEY, GEORGE ROSCOE Obituary.....	1108

P

PALLADINO, NUNZIO J. Receives Prime Movers Committee Award.....	73
PAK, HUO-HAI Alignment diagrams (D).....	493
PAPER INDUSTRY Pulp-and-paper-mill trends toward inte- grating power and bark-burning boilers (A).....	583
PARADISE, R. Y. Analytical study of linearized industrial process controllers (D).....	49
PARIA, GUNADHAR Mixed boundary-value problem of elasti- city with parabolic boundary (A).....	383
PARKER, F. C. Are standards or codes practical for ultrasonic examinations of metals and weldments? (A).....	484
PARKING. <i>See</i> MOTOR VEHICLES	
PARISH, E. M. Preliminary operation—Shippingport Atomic Power Station (A).....	770
PARSONS, GEORGE KINGDON Obituary.....	128
PASCHKE, V. Are engineers professional? (C).....	1076
Rate of temperature change of simple shapes (A).....	291
PAREK, R. L. Determination of heat content of coal by regression analysis (A).....	53
PASLAY, P. R. Calendering of a viscoelastic material (A).....	972
Forced lateral oscillations of trailers (A).....	883
On the theory of grease-lubricated thrust bearings (A).....	52
PATERSON, LESTER BERNESFORD Obituary.....	1108
PAUL, M. J. Modernizing compressor station piping (A).....	1061
PATNE, C. A. Industrial plant installation of a gas turbine to generate power and process steam (A).....	48
PAYNTER, H. M. Computer representations of engineer- ing systems involving fluid transients (A).....	186
PAXTON, D. D. Solar heat for a building.....	536
PEABODY, E. P. Dresden boiling-water reactor (cond.)...	238
PECK, EDWARD B. Trends in professional compensation....	316
PEEV, ALEXANDER W. Do engineers stand a chance in small, private enterprises?.....	908
PEGHAM, GEORGE BRAXTON Receives first Karl Taylor Compton Gold Medal.....	1184

- PELTON WHEELS.** See POWER PLANTS—HYDROELECTRIC
- PENDULUMS.** See INSTRUMENTS
- PENNELLS, N. E.**
CO boiler pays off in fuel savings and produces zero CO (A)..... 590
- PENNING, CORNELIUS J. H.**
Obituary..... 424
- PENROD, E. B.**
Transient heat flow determination of the thermal properties of clay (A)..... 377
- PERRONE, N.**
Yield loads of slabs with reinforced cut-outs (A)..... 382
- PERRY, HARRY**
Impact of atomic energy on fossil fuels (A)..... 54
- PERSON, B. A.**
Compilation of radiation shape factors for cylindrical assemblies (A)..... 374
- PETERSON, G. E.**
Oil seals to provide positive lubrication on large or high-speed thrust bearings (A)..... 774
- PETROLEUM INDUSTRY**
Automatic production of oil from well-head to pipeline (A)..... 1062
Designing safe installations for inert-gas machines (A)..... 1170
Eight years of experience with inert gas equipment (A)..... 1067
Instrumentation and controls, Centralia Water Flood, Illinois (A)..... 1171
Mathematics of oil flooding (A)..... 570
Military petroleum logistics (A)..... 1063
Mobile and fixed platforms for water up to 600 ft (A)..... 1061
Plastic pipe in the petroleum industry (A)..... 1065
Role of the mechanical engineer..... 17
Surface-controlled subsurface safety device for offshore locations (A)..... 1066
- PETROLEUM PIPELINES**
Cold-weather pipe lining (A)..... 47
Military petroleum logistics (A)..... 1063
Pressure surges in pipelines (A)..... 1064
- PETROLEUM REFINING**
Application of gas/liquid cyclones in oil refining (A)..... 385
Automatic computing for process-unit operating guides (A)..... 966
CO boiler pays off in fuel savings and produces zero CO (A)..... 590
Control of manpower and material by planning and scheduling maintenance work (A)..... 771
Economic aspects of combustion gas turbine application in the refining industry (A)..... 1066
Economics of contract maintenance (A)..... 771
Maintenance organization factors in the modern refinery (A)..... 47
Notes on catalytic-cracked fuels..... 651
Practical economics for refinery mechanical engineers (A)..... 47
Preventive maintenance plan for gas-products plants and related operations (A)..... 771
Scheduling engineering design—a vital force in refinery operations (A)..... 1063
Selection of materials for construction of catalytic reforming units (A)..... 47
- PETROLEUM-Well EQUIPMENT**
Advances in diesel-electric rig design for oil well drilling (A)..... 1170
Appalachian Basin air drilling—three years' experience and results (A)..... 1065
Apparent frictional forces of clamping elements as used in the oil industry (A)..... 385
Development and field-testing of wire line retractable rock bits (A)..... 1065
Investigation of pressure drop through a rotating pipe (A)..... 1062
Offshore mobile units—present and future (A)..... 48, 335, (D) 1075
Oil-well power drill (A)..... 664
Proved concepts in oil field roller chain drive selection (A)..... 1066
Reduced pressure drilling (A)..... 1170
Report on results obtained by use of controlled drill-system torque in field operation (A)..... 1063
Stress effects of rotary straightening on collapse resistance of high-strength casing (A)..... 1060
Torque requirements for rotary-shouldered connections and selection of connections for drill collars (A)..... 1064
- PHILIPS, RALPH H.**
The first one hundred and fifty years: a history of John Wiley and Sons (BR)..... 594
- PHILIPS, F. T.**
Radiographic inspection of lead linings during fabrication (D)..... 686
- PHILLIPS, NORMAN D.**
Progress report—Ignitibility of solid fuels and burning rates of fixed carbon (A)..... 53
- PHILLIPS, PHILIP HERLMAN**
Obituary..... 1108
- PHILLIPS, W. I.**
Ceramic and carbide tool performance tests—Part I (A)..... 184
- PHOTOELASTICITY**
Experiments for the determination of transient stress and strain distribution in two-dimensional problems (A)..... 286
Photoelastic study of maximum tensile stresses in simply supported short beams under central transverse impact (A)..... 1072
Photoelastic study of strain waves caused by cavitation (A)..... 886
Photothermoelasticity: an exploratory study (A)..... 973
- PHOTOGRAPHY**
Accuracy requirements of Graflex 70-mm combat focusing system (A)..... 486
Blueprints reproduced photographically (A)..... 178
Contact printer for templates up to 30 ft in length (A)..... 571
Nonintermittent film projector..... 345
Xerography boosts naval output (A)..... 760
- PHYSICAL UNITS**
Practical unit of length—the four-inch "fnt" (C)..... 593
- PHYSIOLOGY**
Man and his thermal environment..... 1029
Pilot information utilization: a study in human response dynamics (A)..... 486
- PIAN, T. H. H.**
Structural damping of a simple built-up beam with riveted joints in bending (A)..... 383
- PICHEL, P. W.**
Shipboard gas-turbine engine tests..... 1119
- PIGOTTS, R. J. S.**
Losses in pipe and fittings (A)..... 185
Receives Elliott Creason Medal..... 1181
Universal bearing tester (A)..... 51
- PILCHER, J. M.**
Ignitibility testing as a measure of the burning characteristics of solid fuels (A)..... 52
- PINKERTON, ANDREW**
Receives Sixty-Five Year Award of the ASME..... 1181
- PINKUS, O.**
Analysis of journal bearings with arbitrary load vector (A)..... 52
Solution of Reynolds equation for finite journal bearings (A)..... 1164
- PIPE AND PIPING**
Applicability of clad steels to heavy wall piping (A)..... 474
Austenitic steels in high-temperature steam piping (A)..... 484
Eight years of experience with austenitic-steel piping materials at elevated steam conditions (A)..... 290
Fabricated pressure piping as related to nuclear applications (A)..... 474
Investigation of thermal stress fatigue as related to high-temperature piping flexibility (A)..... 483
Losses in pipe and fittings (A)..... 185
Metallurgical considerations of main steam piping for high-temperature, high-pressure service (A)..... 761
Pipe insulated with aluminum to resist corrosion (A)..... 1065
Plastic pipe in the petroleum industry (A)..... 1065
Requirements for fabrication of pressure piping as related to service (A)..... 1171
- PIPELINES.** See also NATURAL-GAS PIPELINES, PETROLEUM PIPELINES
Aluminum gas-carrying pipeline (A)..... 174
Engineering design, testing, and operation of the Gilsontite solids pipeline (A)..... 1171
Pipeline steels—a review of the industry..... 448
Solids pipeline (A)..... 569
Steel for Canadian pipelines..... 853
Two-phase concurrent flow of liquids and air through inclined pipe (A)..... 1062
- PIPING SYSTEMS**
Tensor flexibility analysis of closed-loop piping systems (A)..... 1072
- PIPFENGER, J.**
Effects of back pressure on hydraulic oil-control valves (A)..... 482
- PISTON RINGS**
Teflon-based piston rings for nonlubricated applications..... 838
- PITTMAN, HENRY B., JR.**
Woodworking accuracy..... 542
- PLANOBOT.** See MATERIALS HANDLING
- PLASTICITY.** See also METAL CREEP, METAL TESTING
Displacements in a wide curved bar subjected to pure elastic-plastic bending (A)..... 884
On the plane plastic flow of an inset block (A)..... 972
On the principle of Haas and von Karman in statistically determinate problems of plasticity (A)..... 777
Practical solution of plastic deformation problems in the elastic-plastic range (A)..... 478
- PLASTICS.** See also MACHINE-SHOP PRACTICE, PIPE AND PIPING, ROLLS, TEFLON
Calendering of a viscoelastic material (A)..... 972
"Delrin" acetal resin (A)..... 41
Developments in plastics engineering 1955-1956..... 161, (D) 782
Fabrication of vulcanized fiber..... 154
Fundamental mechanics of reinforced plastics (A)..... 292
"Lexan" thermoplastic; new plastic material tough enough to replace cast metals and ceramics (A)..... 574
New materials that the design engineer should know about..... 720
Penton—a new chlorine-containing polyether (A)..... 292
Polymer properties involved in process equipment design (A)..... 481
Versatile nylon batting (A)..... 368
"Zytel" nylon resin (D)..... 498
- PLATES**
Analysis of stresses and strains near the end of a crack traversing a plate (A)..... 973
Buckling of rectangular plates with two unsupported edges (A)..... 1072
Dynamic response of beams and plates to rapid heating (A)..... 970
Effects of a circular hole on the pure twist of an infinite strip (A)..... 286
Finite twisting and bending of thin rectangular elastic plates (A)..... 884
Force in the plane of two jointed semi-infinite plates (A)..... 1167
Influence of width on velocities of long waves in plates (A)..... 885
Nodal patterns of the free flexural vibrations of stiffened plates (A)..... 972
Response of beams and plates to random loads (A)..... 286
Some mixed boundary-value problems of the semi-infinite strip (A)..... 485
Vibration design charts (A)..... 190
- PLUMBING**
National plumbing code handbook published..... 603
- PLUMMER, FRED L.**
Receives Samuel Wylie Miller Memorial Award..... 601
- PLUTONIUM**
Process engineering problems in the Hanford separation plants..... 634
- PLYWOOD**
Chipboard, the superior plywood-core material (A)..... 679
Core materials for plywood—standard lumber cores (A)..... 679
Progressive management in plywood manufacturing..... 539
- PNEUMATIC DEVICES.** See INSTRUMENTS—PRESSURE, SPRINGS, WEIGHING MACHINES
- POGUE, ROBERT BEDFORD**
Obituary..... 218
- POISONS.** See INDUSTRIAL HAZARDS
- POITSKY, H.**
Point source and point vortex in the hodograph plane (A)..... 485
- PORTER, DAVID BURN**
Receives first Gantt Citation..... 1183
- POST, JOHN**
Psychological tests (D)..... 496
- POTTER, JAMES H.**
Graduate study in mechanical engineering..... 157
- POTTER, PHILIP ARTHUR**
Obituary..... 716
- POWDER-LANCING.** See DEMOLITION

- POWELL, E. M.
Engineering the Eddystone steam generator for 5000-psig, 1200-F steam (cond.)..... 132
- POWELL, R. A.
Point source and point vortex in the hodograph plane (A)..... 485
- POWER. *See also* WIND POWER
Alternator set for stand-by power supply (A)..... 1058
Electric energy production statistics for U. S. (A)..... 365
Oil or uranium—world energy resource of the future (A)..... 113
Trends in electric power, production in the U. S. 462
Work capacities of energy storage systems on basis of unit weight and unit volume (A)..... 682
- POWER PLANTS
Automatic diesel power plant for use in radar systems (A)..... 358
Computer applications in the power industry (A)..... 908
- POWER PLANTS—GAS-TURBINE. *See also* GAS TURBINES
Gas-turbine power station at Leghorn (A)..... 876
Industrial plant installation of a gas turbine to generate power and process steam (A)..... 48
- POWER PLANTS—HYDROELECTRIC. *See also* DAMS, POWER SYSTEMS
Coal-fired plants for Ontario Hydro (A)..... 1051
Double Pelton wheel generator (A)..... 372
Glockner-Kaprun power scheme, Austria (A)..... 578
More about Fimring (A)..... 579
Tri-Dam project dedicated (A)..... 754
- POWER PLANTS—INDUSTRIAL. *See also* POWER PLANTS—GAS-TURBINE
Allocation of heat in an industrial power plant—a practical approach..... 743
Performance prediction for a process heat-and-power complex by resistance concept (A)..... 775
- POWER PLANTS—NUCLEAR. *See also* COOLING SYSTEMS, CORROSION, GAS TURBINES, PIPE AND PIPING, PRESSURE VESSELS, PUMPS, STRUCTURES, THERMODYNAMICS, VALVES
ASME joins other societies planning 1957 nuclear congress..... 114
Atomic energy report (A)..... 947
Basic equations for predicting performance of a nuclear power plant pressurizer (A)..... 473
Boiling-water reactor program (A)..... 177
Control problems in sodium-cooled graphite-moderated reactors (A)..... 749
Control-rod and drive mechanism for the engineering test reactor (A)..... 769
Design and construction problems of APR-1 (A)..... 769
Design and testing of containment provisions for the engineering test reactor (A)..... 973
Design of reactor systems for safety..... 251
Development of a universal type control drive mechanism for nuclear reactors (A)..... 475
Dresden boiling-water reactor (cond.)..... 238
Engineering and construction of the engineering test reactor..... 769
Part I (A) 476, Part II (A) 477
Engineering considerations in nuclear reactor design..... 231
Engineering test reactor (A)..... 944
Enrico Fermi fast-breeder reactor..... 240
Experimental Breeder Reactor II (A)..... 33
EBWR in operation (Ed)..... 223
Experimental nuclear reactor (A)..... 32
5000-kw nuclear power plant (A)..... 268
4th Nuclear Engineering and Science Conference, 1958..... 1200
Fuel-handling system for a fast breeder reactor (A)..... 475
Gas-cooled reactor for ships (A)..... 946
"Glossary of terms in nuclear science and technology" announced..... 1194
Heavy-water power reactor study (A)..... 33
Highlights of combined New York nuclear meetings..... 1187
Indian Point pressurized-water reactor (cond.)..... 233
More U. K. nuclear power projects (A)..... 471
Nuclear briefs..... 270
367, 463, 565, 668, 763, 873, 946, 1055, 501
Nuclear Congress, 1957..... 131
Nuclear Congress and unity (Ed)..... 618
Nuclear Congress for 1958 to be held in Chicago..... 70
Nuclear Congress program lists 39
ASME papers..... 207
- POWER PLANTS (continued)
Nuclear energy standards are ISO topic in Geneva..... 897
Nuclear engineering (Ed)..... 223
Nuclear engineering—where do we stand?..... 224, (correction) 593
Nuclear fuel (A)..... 178
Nuclear power for ship propulsion (A)..... 1158
Nuclear power in Britain (A)..... 770
Nuclear power plants—how various nuclear-reactor systems are being applied commercially to steam generation of electric power..... 233
Nuclear power trends (A)..... 1160
On the design of a liquid-metal-heated bayonet-tube steam generator (A)..... 973
Package power reactor (A)..... 563
P. A. R. homogeneous reactor..... 242
Pennsylvania advanced reactor—process description (A)..... 1161
Preliminary operation—Shippingport Atomic Power Station (A)..... 770
Prospect for economic atomic power (A)..... 770
Radiation-hazard control for a power reactor..... 253
Reactor control by spectral shift (A)..... 1153
Refueling boiling-water reactors (A)..... 34
Refueling systems for boiling-water reactors (A)..... 771
Second Nuclear Engineering and Science Conference proceedings published..... 1195
Should standards be developed for industrial use of nuclear energy? (A)..... 111
Small nuclear plants of major importance in over-all atomic-energy program..... 111
Sodium-graphite reactor..... 245
Standardization problems of a reactor design..... 248
Symposium on engineering aspects in nuclear field, 1957..... 397
Thermal conductivity of insulating materials for use in nuclear reactors (A)..... 1071
U. S.-U. K. nuclear power tie-up (A)..... 471
Variable moderator control for reactors (A)..... 1149
Yankee pressurized-water reactor..... 236
- POWER PLANTS—STEAM. *See also* COAL, POWER PLANTS—INDUSTRIAL POWER SYSTEMS, STEAM CONDENSERS, STEAM TURBINES
Automatic digital-data-collecting system for use in central stations (A)..... 772
Coal-fired power station for South Yorkshire (A)..... 767
Controlled starting and loading of modern power stations (A)..... 1160
Cooling towers for steam-electric stations—selection and performance experiences (A)..... 191
Design considerations in the development of a cyclone-fired boiler installation (A)..... 1162
Eddystone plant employs supercritical-pressure cycle..... 132
450,000-kw generating unit (A)..... 174
Martina Creek Steam Electric Station—new ideas to reduce cost of construction and of operation (A)..... 1160
Station design considerations in evaluating selection of fuels (A)..... 583
Steam-generating unit analyzer (A)..... 172
Studies on air-pollution control by Southern California Edison Company (A)..... 773
Supercritical generator..... (A) 660, (correction) 872
Unusual features of the Portland Combustion control system (A)..... 1162
- POWER PRESSES
6000-ton wheel press (A)..... 373
Approach to the selection of steam unit size for a large hydro-steam system (A)..... 967
Computer application in forecasting daily peak loads for an electric utility (A)..... 568
England and France linked electrically (A)..... 1059
Further steam-electric-generation expansion in Southern California (A)..... 772
Information center with automatic logger and scanner (A)..... 483
New type automatic dispatching system at Kansas City (A)..... 483
- POWERS, J. J., JR.
Analysis of energy exchange between man and his environment..... 1029
- PRANDTL NUMBER. *See* FLOW OF FLUIDS
- PRATT, PERCY PAUL
Obituary..... 328
- PRATT, PERRY WALTER
Biography..... 70
Receives Westinghouse Gold Medal..... 70
- PRATT, R. L.
Analysis of energy exchange between man and his environment..... 1029
- PRESSES. *See* METAL DRAWING
- PRESSURE VESSELS
Fabricated pressure piping as related to nuclear applications (A)..... 474
Failure of a welded drying drum (D)..... 684
Nuclear-reactor shell stresses (A)..... 31
Overstrain and bursting strength of thick-walled cylinders (A)..... 1063
Requirements for fabrication of pressure piping as related to service (A)..... 1171
- PRESSURIZERS. *See* COOLING SYSTEMS, POWER PLANTS—NUCLEAR
- PRICE, FLOYD URE
Obituary..... 916
- PRICE, GWILYM A.
Awarded honorary LL.D. degree at Bucknell University..... 815
- PRICE, L. C.
Simple formula for determining the position of maximum slider velocity in a slider-crank mechanism (A)..... 589
- PRINCE, DAVID CHANDLER
Biography..... 619
Elected Fellow of ASME..... 619
- PRIVON, G. T.
Transient heat flow determination of the thermal properties of clay (A)..... 377
- PROCTOR, J. H.
Applicability of clad steels to heavy wall piping (A)..... 474
- PROCTOR, REDFIELD
Obituary..... 716
- PRODUCTION CONTROL
Systems design for production-control data processing (A)..... 584
- PRODUCTION ENGINEERING. *See* MANUFACTURING
- PROHL, M. A.
High frequency vibration of steam-turbine buckets (A)..... 191
Method for calculating vibration frequency and stress of a banded group of turbine buckets (A)..... 190
- PROJECTORS. *See* PHOTOGRAPHY
- PROMISEL, N. E.
Titanium-sheet-rolling program..... 1112
- PROPERTIES OF MATERIALS. *See also* PETROLEUM REFINING, PHOTOELASTICITY, RADIATION
Purdue establishes research center to study thermophysical properties..... 505
- PROSSER, JOSEPH GEORGE
Obituary..... 716
- PSYCHOLOGY
Psychological tests (D)..... 496
- PUDER, R. W.
Fork truck stability—a study in moments (A)..... 379
- PUSHIES, A.
Prospects for economic atomic power (A)..... 770
- PULSATION. *See* VIBRATION
- PULVERIZED COAL
Utilization of lignite; a comparison between spreader-stoker and pulverized-lignite firing in steam generation..... 23, (D) 888
- PUMPS
Cast stainless pumps for corrosive environments (A)..... 757
5000-gpm electromagnetic and mechanical pumps for the EBR-II sodium system (A)..... 474
Pump selection and application (BR)..... 593
Pumps for nuclear power plants (A)..... 474
- PUMPS—CENTRIFUGAL. *See also* IMPELLERS
Standardization of centrifugal chemical pumps (A)..... 878
- PUMPS—JET
Experimental and analytical study of two-component two-phase flow in an ejector with condensation (A)..... 962
Jet-pump theory and performance with fluids of high viscosity (A)..... 186
- PURVES-SMITH, CLAUDE DALE
Obituary..... 916

Q

QUALITY CONTROL
Statistical quality control for small plants..... 652

QUINN, J. D.
Developments in the analysis of maintenance problems..... 931

R

- RADAR.** *See also* INFRARED
Automatic diesel power plant for use in radar systems (A)..... 358
Experimental radar station (A)..... 179
True tracking radar (A)..... 864
- RADCLIFFE, B. M.**
Design of timber roof truss with nail-glued connections (A)..... 379
- RADFORD, GEORGE STANLEY**
Obituary..... 424
- RADIATION.** *See also* HEAT TRANSFER
Man and his thermal environment..... 1029
Measurements of the total absorptivity for solar radiation of several engineering materials (A)..... 880
Use of ionizing radiations in control of parasitic infections (A)..... 477
- RADIOACTIVITY**
AEC radiation regulation (A)..... 367
Conference on radiation hazards to mankind held in New York..... 401
Engineering approach to radiological contamination..... 920
Neutron radiation effects on tensile and impact properties of ASTM-A302B steel..... 261, (D)
Radiation-hazard control for a power reactor..... 253
- RADIOGRAPHIC INSPECTION**
Radiographic inspection of lead linings during fabrication (D)..... 686
Use of atomic energy in the testing of materials..... 258, (D)
- RAHE, WILLIAM CLARENCE**
Obituary..... 328
- RAILROAD BRAKES**
Air brakes for high-speed ultra-light-weight passenger trains..... 553
- RAILROAD CARS.** *See also* TRANSPORTATION
Air springs (A)..... 272
Aluminum in freight cars (A)..... 674
Corrosion prevention of railroad cars (A)..... 674
Effect of improved draft gears and spring-dampened trucks on freight-car shocks (A)..... 380
Evaluation of railway draft gears (A)..... 675
Expanding use of aluminum in railroad cars (A)..... 674
Progress in railway mechanical engineering—1955-1956..... 140
"Roller freight" needs better trucks (A)..... 675
Special car for high, wide, and heavy shipments (A)..... 682
- RAILROAD MECHANICAL ENGINEERING**
Progress in railway mechanical engineering—1955-1956..... 140
- RAILROAD RAILS**
Rail conditioning to reduce wheel slipage (A)..... 178
- RAILROAD TRAINS**
Air brakes for high-speed ultra-light-weight passenger trains..... 553
Progress in railway mechanical engineering—1955-1956..... 140
- RAILROADS**
Importance of the mechanical engineer to the railroad industry..... 929
Use of atomic energy in the testing of materials..... 258, (D)
- RAMBERG, WALTER**
Receives Richard L. Templin Award..... 1181
- RAMSDEN, JOHN THOMAS**
Obituary..... 128
- RAMSEY, R. P.**
New concept in engine gas-generator-turbine plant (A)..... 478
- RANDALL, MERWYN C.**
Obituary..... 532
- RANKIN, A. W.**
Austenitic steels in high-temperature steam piping (A)..... 484
- RANSOROFF, NATHAN**
Obituary..... 218
- RASHWAN, A.**
Effect of a logarithmic element in an otherwise linear process-control system (A)..... 49
- RASSWEILER, CLIFFORD F.**
Receives Research Institute Medal..... 1188
- RAYMO, A. J.**
Power reactor containment vessels (A)..... 477
- REA, S. E.**
Transient air temperatures in a duct (A)..... 186
- REACTORS.** *See* GRAPHITE, POWER PLANTS—NUCLEAR
- REASER, WILLIAM E.**
Appointed Assistant Secretary of ASME..... 810
- REED, E. C.**
Influence of various grinding conditions upon residual stresses in titanium (A)..... 479
- REED, GLENN A.**
Yankee pressurized-water reactor (cond.)..... 236
- REED, N.**
Turbocharging development for loop-scavenged two-cycle gas engines (A)..... 678
- REFRACTORIES**
Carbide-coated graphite (A)..... 1155
New basic refractory for open-hearth steel furnaces (A)..... 662
New materials that the design engineer should know about..... 720
- REFRIGERATION**
Expansion engine for gas liquefaction..... 870
Vapor refrigeration; simple type for environmental test chambers (A)..... 665
- REFUSE DISPOSAL**
Design criteria for municipal incinerators (D)..... 388
- REICH, J. A.**
Information center with automatic logger and scanner (A)..... 483
- REICHENBACH, G. S.**
Experimental measurement of metal-cutting temperature distributions (A)..... 774
- REINDL, H. J.**
New materials that the design engineer should know about—coatings and finishes..... 730
- REISSNER, ERIC**
Finite twisting and bending of thin rectangular elastic plates (A)..... 884
- REITER, BELA ZOLTAN**
Obituary..... 1108
- REITER, SYDNEY H.**
From junior to project engineer..... 710
- RELIABILITY.** *See* TESTING
- REMER, ROBERT JOHN**
Obituary..... 218
- REMOTE CONTROL**
Remote-control telemetering (A)..... 466
- RENNER, ROLAND B.**
Obituary..... 828
- RENSHAW, E.**
Use of heavy fuel in high-speed diesel engines on river towboats (A)..... 676
- RESEARCH**
Arnold Engineering Development Center..... 8
Bearing and lubricant center (A)..... 38
Control of research and development to meet company objectives (A)..... 584
Engineering research leads (A)..... 1152
How is the research dollar spent?..... 747
How technical skill of young men rescued paint industry..... 1188
Research notes..... 405
Results of U.S. government research available to science and industry..... 304
Sputniks (A)..... 1145
U. S. Rubber opens new research center..... 1081
- REUTER, PETER THEODORE**
Obituary..... 218
- REYNOLDS, R. W.**
Chromium plating development at the U. S. Naval Engineering Experiment Station (A)..... 677
- REYNOLDS EQUATION.** *See* LUBRICATION
- RICE, CYRUS WILLIAM**
Obituary..... 828
- RICH, GEORGE R.**
Foundations: design and practice (BR)..... 976
- RICH, T. A.**
Characteristics of air-borne particles (A)..... 967
- RICHARDS, C. L.**
Heat-transfer rates to cross-flowing mercury in a staggered tube bank—II (A)..... 964
- RICHARDSON, D. L.**
Skewed boundary-layer flow near the end walls of a compressor cascade (A)..... 377
- RIDLAND, A. C.**
40-ft personnel boat with gas-turbine propulsion-engine installation features and operating experience (A)..... 284
- RIESING, ELLWOOD FRANKLIN**
Obituary..... 716
- RIGHTMIRE, B. G.**
Statistical analysis of a wear process (A)..... 50
- RILEY, W. F.**
Experiments for the determination of transient stress and strain distribution in two-dimensional problems (A)..... 286
- RINGLEB, F. O.**
Motion and stress of an elastic cable due to impact (A)..... 886
- RIPPEGER, E. A.**
Study of the propagation of flexural waves in elastic beams (A)..... 885
- RITCHIE, J. E.**
Engineering as a function of management (A)..... 484
- RIVAS, M. A., JR.**
Experimental and analytical study of two-component two-phase flow in an ejector with condensation (A)..... 962
- RIVETED JOINTS**
Automatic riveting machine (A)..... 176
Structural damping of a simple built-up beam with riveted joints in bending (A)..... 383
- ROARTY, J. D.**
Investigation of burnout heat flux in rectangular channels at 2000 psia (A)..... 581
- ROBB, H. W.**
Appointed ASME's representative on ASA Standards Council..... 708
- ROBEINS, FRED A.**
Teflon-based piston rings for nonlubricated applications..... 838
- ROBERTS, E. C.**
Production engineering of solid-fuel rocket motors..... 582
- ROBERTS, G. S.**
Psychological tests (D)..... 496
- ROBERTS, JAMES B.**
Obituary..... 532
- ROBERTSON, J. M.**
Effect of adverse pressure gradients on turbulent boundary layers in axisymmetric conduits (A)..... 381
- ROBIE, EDWARD H.**
Retires as ASME secretary emeritus..... 108
- ROBINSON, A. R.**
Thermal drift of floated gyroscopes (A)..... 1072
- ROBINSON, L. E.**
Progress report on standardization of the vibratory-cavitation test (A)..... 185
- ROBINSON, S. T.**
Influence of working-fluid characteristics on the design of the closed-cycle gas turbine (A)..... 580
- ROCK BITS.** *See* PETROLEUM-WELL EQUIPMENT
- ROCKETS**
Production engineering of large liquid-fuel rocket engines (A)..... 582
Production engineering of solid-fuel rocket motors (A)..... 582
- ROGERS, HARRY STANLEY**
Obituary..... 1010
- ROHRMANN, CHARLES A.**
Process engineering problems in Hanford separation plants..... 634
- ROLAN, G.**
Development of a universal type control drive mechanism for nuclear reactors (A)..... 475
- ROLLER BEARINGS.** *See* ANTIFRICTION BEARINGS
- ROLLING MILLS**
Aluminum sheet and plates (A)..... 661
- ROLLS**
Roll bending applied to rubber and plastic calenders (A)..... 293
- RONGVED, L.**
Dislocation over a bounded plane area in an infinite solid (A)..... 589
Force in the plane of two joined semi-infinite plates (A)..... 1167
- ROOME, GEORGE R. S.**
Obituary..... 916
- ROOS, H. W.**
Human factors in engineering management (D)..... 687
- ROSE, ANDREW H., JR.**
Design criteria for municipal incinerators (D)..... 388
- ROSE, CLARENCE EDWARD**
Obituary..... 424
- ROSS, E. W., JR.**
On the plane plastic flow of an inset block (A)..... 972
- ROSS-CLUNIS, H. A.**
Sodium-graphite reactor..... 245
- ROSSHEIM, D. B.**
Fabricated pressure piping as related to nuclear applications (A)..... 474

- ROSSHEIM (continued)
Requirements for fabrication of pressure piping as related to service (A)..... 1171
- ROTHBART, H. A.
Numerical method for determining cam-follower response (A)..... 1168
- ROTORS. *See also* DISKS, GYROSCOPES
Investigation of the generator rotor burst at the Pittsburgh Station of the Pacific Gas and Electric Company (A)..... 1162
Operating experience with high-temperature steam rotors and design improvements in rotor blade fastening (A)..... 1161
- ROUBIK, J. R.
Ceramic and carbide tool performance tests—Part II (A)..... 967
- ROWLEY, D. S.
Resistance coefficients for laminar and turbulent flow through one-half-inch valves and fittings (A)..... 482
- ROWLEY, LOUIS N., JR.
Biography..... 815
Nominated for Director (Administrative)..... 815
- ROT, G. M.
Dresden boiling-water reactor (cond.)... 238
- RUBBER. *See also* ROLLS
Conductive silicone rubber (A)..... 571
New materials that the design engineer should know about..... 720
Synthetic rubber (A)..... 661
- RUBBER INDUSTRY
Role of the mechanical engineer..... 16
- RUFF, J. W.
Mechanical design approach to simplified maintenance (A)..... 681
- RUSSIA
IEC meeting held in Moscow..... 895
U. S. must meet USSR challenge to maintain strength, progress (A)..... 1082
- RUTKOWSKI, J.
Free convection from heated surfaces—laminar boundary waves (A)..... 583
- RYAN, WILLIAM FRANCIS
President of ASME for 1957..... 92
Receives honorary membership in Pi Tau Sigma..... 507
Toward unity? (Ed)..... 631
Your future demands a survey of the engineering profession..... 1037
- RYDER, F. L.
Personality factors in engineering practice (A)..... 974
- S**
- SAATHOFF, GEORGE WEBSTER
Obituary..... 218
- SARROFF, A. M.
Cold extrusion of unalloyed titanium (A)..... 378
- SACHS, GEORGE
Honored by two German societies; awarded Gauss Medal and Heyn Medal..... 1181
- SAFETY ENGINEERING. *See also* FIRE PREVENTION, WINDSHIELDS
Design of reactor systems for safety..... 251
Designing safe installations for inert-gas machines (A)..... 1170
Radiation-hazard control for a power reactor..... 253
Safe automobile—a special design (A).... 1150
Safety standards..... 138
- SAFETY VALVES
Surface-controlled subsurface safety device for offshore locations (A)..... 1066
- SAGE, W. L.
Multifuel firing of cyclone furnaces (AC) 194
- SAHLMANN, F. L.
Dual-powered high-speed locomotive... 1074
- SAIBEL, E.
Effect of heat conductance on slider-bearing characteristics (A)..... 776
Effect of lubricant inertia in journal-bearing lubrication (A)..... 971
Surface deformations in the hydrodynamic slider-bearing problem and their effect on the pressure development (A) 1164
- ST. LAWRENCE, JOHN
Obituary..... 1012
- ST. VENANT'S PRINCIPLE. *See* MATHEMATICS
- SAMS, JAMES H.
Member of the 1957 ASME Council... 94
Receives Distinguished Service Certificate of NCSBEE..... 1182
- SANBORN, EVERETT RUSSELL
Obituary..... 916
- SANDING. *See* WOODWORKING
- SANDWICH CONSTRUCTION. *See* STRUCTURES
- SATELLITES. *See* EARTH SATELLITES
- SAWMILLS. *See also* WOODWORKING MACHINERY
Handbook for small sawmill operators published..... 213
- SAWS. *See* WOOD INDUSTRIES
- SCANLAN, J. A.
Bibliography on free-piston engines and compressors..... 339
- SCHABTACH, C.
Investigation of the generator rotor burst at the Pittsburgh Station of the Pacific Gas and Electric Company (A)..... 1162
- SCHACKELFORD, B. W.
Approach to the selection of steam unit size for a large hydro-steam system (A)..... 967
- SCHAFER, R. A.
Development of the Natco feed-rate indicator (A)..... 589
- SCHAKEL, R. A.
Prove concepts in oil field roller chain drive selection (A)..... 1066
- SCHANE, J. L.
Dresden boiling-water reactor..... 238
- SCHECTER, R. S.
Natural convection heat transfer in regions of maximum fluid density (A) 1068
- SCHILL, M. A.
Steel for Canadian pipelines..... 853
- SCHIER, O. B., 2ND
Appointed deputy secretary of ASME... 115
Named secretary-elect of ASME..... 698
- SCHILHANS, M. J.
Bending frequency of a rotating beam (A)..... 1167
- SCHMIDT, A. O.
Ceramic and carbide tool performance tests (A)..... Part I, 184; Part II, 1130
Coefficients of flat-surface friction..... 1130
- SCHNEIDER, P. J.
Review of heat-transfer literature—1956 433
- SCHNEIDER, WARREN A.
Design criteria for municipal incinerators (D)..... 389
- SCHOLARSHIPS. *See* EDUCATION
- SCHREIBER, HAROLD A.
Obituary..... 128
- SCHREIBER, JOHN W.
Obituary..... 424
- SCHWARTZBERG, J. W.
Analog study of a high-speed recording servomechanism (A)..... 586
- SCIENCE
AAAS acts on resolution submitted by committee on social aspects of science. 199
- SCREENS
Heat-transfer and flow-friction characteristics of woven-screen and crossed-rod matrices (A)..... 377
- SCREWS
Screw parts washer (A)..... 951
- SCUTT, E. D.
Unusual features of the Portland combustion control system (A)..... 1162
- SEA WATER. *See* DISTILLATION
- SEALS
Mechanical seals for nonlubricating hydrocarbons (A)..... 1067
Oil seals to provide positive lubrication on large or high-speed thrust bearings (A)..... 774
- SEAMES, A. E.
Numerical procedure for calculating the large deflections of straight and curved beams (A)..... 286
- SEANOR, R. C.
Roll bending applied to rubber and plastic calendars (A)..... 293
- SEARING, HUDSON ROY
Obituary..... 1108
- SEARLE, A.
How to drill 6 Al-4V titanium alloy.... 1025
- SEBAN, R. A.
Heat transfer to laminar boundary layers with variable free-stream velocity (A)..... 376
Heat transfer to lead-bismuth in turbulent flow in an annulus (A)..... 187
- SEEBE, NOEL B.
Accuracy requirements of Graflex 70-mm combat focusing system (A)..... 486
- SEGE, G.
Dresden boiling-water reactor (cond.)... 238
- SEGUIN, B. R.
Investigation of the generator rotor burst at the Pittsburgh Station of the Pacific Gas and Electric Company (A) 1162
- SEIDE, PAUL
Donnell type theory for asymmetrical bending and buckling of thin conical shells (A)..... 972
- SEIM, O. S.
5000-gpm electromagnetic and mechanical pumps for the EBR-II sodium system (A)..... 474
- SELIG, FRANCES
Completes 50 years at ASME..... 412
- SEMAR, H. W.
Experimental determination of gear tooth stresses in large marine gears (A)..... 290
- SERABIAN, S.
Ultrasonic detection of thin laminar inclusions (A)..... 1161
- SERVOMECHANISMS. *See also* VALVES
Analog study of a high-speed recording servomechanism (A)..... 586
Analysis of the transient response of nonlinear control systems (A)..... 586
Design basis for cascade-type positional servomechanisms (A)..... 189
Practical aspects of relay or pulse servomechanisms (A)..... 555
- SETTY, S. K.
Stresses alter hardness..... 1127
- SEVIN, E.
Min-max solutions for the linear mass-spring system (A)..... 287
- SEWARD, J. E.
Fuel-handling system for a fast breeder reactor (A)..... 475
- SEYFANG, WILLIAM GEORGE
Obituary..... 128
- SHAFER, B. W.
Displacements in a wide curved bar subjected to pure elastic-plastic bending (A)..... 884
- SHANK, M. E.
Flow and fracture of nodular cast iron (A)..... 188
- SHANNON, J. E.
Preventive maintenance plan for gas-products plants and related operations (A)..... 771
- SHARMA, R. L.
Dependence of the frequency spectrum of a circular disk on Poisson's ratio (A)..... 486
- SHAYNE, ALEXANDER
Obituary..... 1108
- SHEARER, DAVID ROBERT
Obituary..... 628
- SHEARER, J. L.
Pressure-flow characteristics of pneumatic valves (A)..... 189
- SHEET METAL. *See* METAL ROLLING
- SHELL MOLDING. *See* FOUNDRY PRACTICE
- SHELLS
Axisymmetric thermal stresses in a spherical shell of arbitrary thickness (A)..... 585
Behavior of cylinders with initial shell deflection (A)..... 970
Buckling of initially imperfect cylindrical shells subject to torsion (A)..... 382
Buckling of thin cylindrical shell under hoop stresses varying in axial direction (A)..... 970
Cylindrical shells under line load (A).... 970
Deformation of elastic paraboloid shells of revolution (A)..... 885
Donnell type theory for asymmetrical bending and buckling of thin conical shells (A)..... 972
General instability of a ring-stiffened, circular cylindrical shell under hydrostatic pressure (A)..... 383
- SHEPPARD, R.
Importance of matching steam temperatures with metal temperatures during starting of large steam turbines (A).... 483
- SHERBROOKE, W. A.
Air and gas duct system for the gas-turbine vessel John Sergeant (A)..... 284
- SHERRY, O. D.
Effect of stress on creep at high temperatures (A)..... 285
- SHERMAN, R. A.
Heat transfer by radiation from flames (A)..... 374

- SHIMAZAKI, T. T.
Heat-transfer considerations in the use of organic reactor coolants (A)..... 473
- SHINDROT, M.
Optimization of time-varying linear systems with nonstationary inputs (A)..... 588
- SHIP-MODEL TESTING
Re-equipping a ship-model basin (A).... 280
- SHIPS. *See also* COAL HANDLING, MARINE ENGINEERING, POWER PLANTS—NUCLEAR
Gas-cooled reactor for ships (A)..... 946
Nuclear-powered cruiser (A)..... 464
- SHIPLEY, H. T.
Eight years of experience with inert gas equipment (A)..... 1067
- SHOCKS. *See* WAVE MECHANICS
- SHORT, R. D., JR.
Behavior of cylinders with initial shell deflection (A)..... 970
- SHOT-PEENING
Influence of repeated bending loads on biaxial residual stresses in shot-peened plates (A)..... 188
- SHULESHKO, P.
Buckling of rectangular plates with two unsupported edges (A)..... 1072
- SHUMAKER, C. H.
Member of 1957 ASME Council..... 94
- SHUTTLES. *See* TEXTILE INDUSTRY
- SIEGEL, ROBERT
Transient free convection from a vertical flat plate (A)..... 881
- SIEGHEEN, H. G.
Shell castings—typical examples of their applications..... 560
- SILVER, WILLIAM AUGUSTUS
Obituary..... 321
- SILICON
Automatic zone refining of silicon (A).... 954
- SILICONES
Conductive silicone rubber (A)..... 571
Silicone insulation (A)..... 365
Supersonic safety glass for airplane windshields (A)..... 175
- SILVERBERG, M.
Gas coolant for nuclear reactors (A).... 473
- SIMCOE, CHARLES R.
New materials that the design engineer should know about—metallic materials..... 720
- SIMKOVICH, E. A.
Metallic material engineering and manufacturing aspects of new high-speed aircraft (A)..... 681
- SIMMONS, F. C.
Handbook for small sawmill operators published..... 213
- SIMPSON, JOHN WISTAR
Receives Prime Movers Committee Award..... 73
- SINES, G.
Failure of a welded drying drum by caustic embrittlement (AC)..... 686
- SINGER, SIDNEY CHARLES
Obituary..... 128
- SINTERING
Rapidly expanding process for the iron and steel industry (A)..... 35
- SIPPLE, H. B.
The hot airplane..... 925
- SIEER, P. S.
Surface-controlled subsurface safety device for offshore locations (A)..... 1066
- SKALAK, R.
Longitudinal impact of a semi-infinite circular elastic bar (A)..... 287
- SKIBA, WILLIAM
Second look at radiographic inspection of lead linings during fabrication (AC)..... 687
- SKIDDING. *See* AIRPLANES
- SKINNER, J. B.
Toxicity of materials—of interest to the mechanical engineer (A)..... 287
- SKINNER, S. M.
Electrical effects accompanying the stick-slip phenomenon in boundary lubrication (A)..... 292
- SLABS. *See* STRUCTURES
- SLATER, J. M.
Gyroscopes for inertial navigators..... 832
Measurement and integration of acceleration in inertial navigation (A).... 384
- SLEICHER, C. A., JR.
Experimental velocity and temperature profiles for air in turbulent pipe flow (A)..... 1071
- SLIDAR, A.
Forced lateral oscillations of trailers (A). On the theory of grease-lubricated thrust bearings (A)..... 52
- SLOANE, REGINALD GORDON
Obituary..... 1216
- SLURRIES
Engineering design, testing, and operation of the Gilsontite solids pipeline (A)..... 1171
- SMITH, E. H.
Burning fluid coke (AC)..... 388
- SMITH, G. V.
Chromium-molybdenum and chromium-molybdenum-vanadium steels for power plant and refinery service up to 1100 F (A)..... 591
- SMITH, GEORGE WILLIAM
Progressive management in plywood manufacturing..... 539
- SMITH, J. A.
Test equipment for use in diesel engine maintenance (A)..... 675
- SMITH, L. H., JR.
Recovery ratio—a measure of the loss recovery potential of compressor stages (A)..... 478
- SMITH, RONALD B.
Biography
Nominated for Director (Technology)..... 814
Member of 1957 ASME Council..... 94
- SMITH, W. WEAVER
Member of 1957 ASME Council..... 94
- SNOKE, EDWARD J.
New materials that the design engineer should know about—ceramics and refractory materials..... 725
- SWAFF, R. B.
Testing dynamically loaded bearings
I. A short history of bearing test machines (A)..... 52
II. A diesel-engine bearing test machine (A)..... 51
- SOCOCINSKI, D. P.
Current flow of air, gas-oil, and water in a horizontal pipe (A)..... 384
- SODERBERG, C. R., JR.
Fabricated pressure piping as related to nuclear applications (A)..... 474
Requirements for fabrication of pressure piping as related to service (A)..... 1171
- SOGIN, H. F.
Laminar flow and heat transfer from ellipsoidal surfaces of fineness ratio 4 in axisymmetrical flow (A)..... 880
Sublimation from disks to air streams flowing normal to their surfaces (A).... 291
- SOHL, G. M.
Electrical effects accompanying the stick-slip phenomenon in boundary lubrication (A)..... 292
- SOLAR ENERGY. *See also* RADIATION
NBS solar furnace (A)..... 762
The solar engine; an analysis..... 445
Solar furnace (A)..... 41
Solar furnace (D)..... 386
Solar Furnace Symposium, January, 1957..... 108
Solar heat for a building..... 536
Solar water heating—present practices and installations (A)..... 773
Some aspects of solar-energy economics (A)..... 773
- SOLDERING
Aluminum soldering (A)..... 1155
Ultrasonic soldering iron (A)..... 41
- SOLNICK, R. L.
Effect of intake combustion-air conditioning on performance of spark ignition gas engines (A)..... 678
- SOLOMON, EDWARD
Obituary..... 532
- SOMERS, J. C.
Dust and fume control..... 1022
Materials handling in product finishing (A)..... 379
- SOO, S. L.
Dynamic response characteristics of gas turbines (A)..... 1166
Laminar flow over an enclosed rotating disk (A)..... 968
New concept in engine gas-generator-turbine plant (A)..... 478
- SOMER, J. W.
Tensor flexibility analysis of closed-loop piping systems (A)..... 1072
- SPACITOR. *See* ELECTRONICS
- SPAHN, J. C.
Eddystone superpressure unit..... 132
- SPARROW, E. M.
Similar solutions for free convection from a nonisothermal vertical plate (A)..... 881
- SPAUNBURG, HARVEY L.
Receives honorary membership in Pi Tau Sigma..... 507
- SPEER, P.
Materials handling of bulk materials in the meat-packing industry (A)..... 378
- SPENCER, FRANK CALVIN
Obituary..... 716
- SPONCK, C. L.
Floturn—a production process as well as a development (A)..... 967
- SPRAYS. *See* DRYING
- SPRINGS
Air springs (A)..... 272
Min-max solutions for the linear mass-spring system (A)..... 287
- SPURRIER, F. R.
Designing the marine gas turbine..... 860
- STALL. *See* AERODYNAMICS
- STALLER, T. R.
Criteria for validity of lumped-parameter representation of ducting air-flow characteristics (A)..... 49
- STANDARDS. *See also* SAFETY ENGINEERING
ASA hold first Pacific Coast standards conference..... 1184
Government support urged in industry standards for goods and services..... 597
Inter-American manufactured products and raw materials standards on way..... 1085
National standards in a modern economy (BR)..... 295
- STANLEY, R. J.
In-service washing of Ljungstrom air preheaters on pulverized-coal-fired steam generators (A)..... 380
- STANTON, B. D.
Dynamic field tests of a process furnace (A)..... 586
Dynamic field tests of a steam turbine (A)..... 586
- STARKEY, W. L.
Effects of complex stress-time cycles on the fatigue properties of metals (A).... 189
Work capacities of energy storage systems on basis of unit weight and unit volume (A)..... 682
- STARTING. *See* STEAM TURBINES
- STATE PRINCIPLE. *See* THERMODYNAMICS
- STATISTICAL METHODS
Statistical analysis of a wear process (A). Statistical treatment of sampled-data control systems for actual random inputs (A)..... 585
- STAUFFER, RALPH DANIEL
Obituary..... 532
- STEAM CONDENSERS
Condenser at Portland (A)..... 1163
Horizontal condenser theory—Part I. Mathematical development of tube loading (A)..... 1068
- STEAM PURITY
Conductivity versus sodium by flame spectrophotometer in steam purity studies (A)..... 480
- STEAM TURBINES. *See also* TURBINE TESTING
Design features and development of the cross-compound, single flow turbine with axial exhaust—for the Portland Station (A)..... 1163
Design of warped buckets for optimum efficiency (A)..... 588
Dynamic field tests of a steam turbine (A)..... 586
High frequency vibration of steam-turbine buckets (A)..... 191
Importance of matching steam temperatures with metal temperatures during starting of large steam turbines..... 483
Method for calculation vibration frequency and stress of a banded group of turbine buckets (A)..... 190
Operating experience with high-temperature steam rotors and design improvements in rotor blade fastening (A).... 1161
Use of digital computers in the mechanical design of large steam turbines (A).... 288
- STEEL. *See also* IRON AND STEEL MANUFACTURE
Applicability of clad steels to heavy wall piping (A)..... 474
Austenitic steels in high-temperature steam piping (A)..... 484
Creep characteristics of type 347 stainless steel at 1050 and 1100 F in tension and compression (A)..... 188
Delayed-yield time effects in mild steel under oscillatory axial loads (A)..... 188
Force components, chip geometry, and specific cutting energy in orthogonal

- STEEL (continued)**
 and oblique machining of SAE 1015 steel (A)..... 480
 Nonhomogeneous yielding of steel cylinders; 1-mild steel (A)..... 188
 Pipeline steels—a review of the industry. 448
 Steel for Canadian pipelines..... 853
 Ultra-high-strength steel (A)..... 756
- STEEL ALLOYS**
 Chromium-molybdenum and chromium-molybdenum-vanadium steels for power plant and refinery service up to 1100 F (A)..... 591
 Eight years of experience with austenitic-steel piping materials at elevated steam conditions (A)..... 290
 Metallurgical considerations of main steam piping for high-temperature, high-pressure service (A)..... 289
 Neutron radiation effects on tensile and impact properties of ASTM-A302 B steel..... 261, (D) 781
 Rapid analysis of steel (A)..... 280
- STEELE, A. M.**
 Design and development of the coolant system for the sodium reactor experiment (A)..... 472
- STEELE, M. C.**
 Nonhomogeneous yielding of steel cylinders; 1-mild steel (A)..... 188
- STEELE, WALTER DAVID**
 Obituary..... 532
- STELL, FRANK F.**
 Obituary..... 628
- STENY, NG, A. H.**
 Stall propagation in a cascade of airfoils (A)..... 968
- STEPHENS, T. E.**
 Engineering and construction of the engineering test reactor—Part II (A)..... 769
- STEREOSCOPY**
 Techniques of drawing in the third dimension (A)..... 588
- STERNBERG, E.**
 Axisymmetric thermal stresses in a spherical shell of arbitrary thickness (A)..... 885
- STERNLICHT, B.**
 Application of digital computers to bearing design (A)..... 288
 Self-excited vibrations of an air-lubricated thrust bearing (A)..... 1163
 Theoretical and experimental analysis of hydrodynamic gas-lubricated journal bearings (A)..... 1164
- STETSON, GEORGE A.**
 Editor emeritus of the Society's periodical publications..... 2
 The next hundred years (BR)..... 1174
 Professional amateur: the biography of Charles Franklin Kettering (BR)..... 498
- STEVENSON, HARRY WILLIS, JR.**
 Obituary..... 1108
- STICK-SLIP PHENOMENA. See FRICTION**
- STOKERS. See also FUELS**
- STORAGE**
 Blueprints reproduced photographically (A)..... 178
- STOVER, ROLLAND S.**
 Member of 1957 ASME Council..... 94
- STRACKE, F. H.**
 Burning fluid coke (D)..... 357
- STRAIGHT, HALVER RUFUS**
 Obituary..... 328
- STRANG, W. G.**
 Improvement of the Holzer table based on a suggestion of Rayleigh's (A)..... 285
- STRESSES AND STRAINS. See also BEAMS, BUCKLING, CAVITATION, ELASTICITY, GEARS, MATHEMATICS, METAL CREEP, METAL CUTTING, METAL FATIGUE, METAL TESTING, PHOTOELASTICITY, PLASTICITY, VIBRATION**
 Analysis of residual stress in ground surfaces of high-temperature alloys (A)..... 774
 Analysis of stresses and strains near the end of a crack traversing a plate (A)..... 973
 Comparison of semi-empirical solutions for crack propagation with experiments (A)..... 682
 Experiments for the determination of transient stress and strain distribution in two-dimensional problems (A)..... 286
 Force in the plane of two jointed semi-infinite plates (A)..... 1167
 Impact stresses in drop-hammer guides (A)..... 588
 Influence of repeated bending loads on biaxial residual stresses in shot-peened plates (A)..... 188
 Nuclear-reactor shell stresses (A)..... 31
- STRESSES AND STRAINS (continued)**
 On the stress distribution at the base of a stationary crack (A)..... 284
 The sect. problem (A)..... 776
 Shear-zone temperature in metal cutting and its effects on shear-flow stress (A)..... 774
 Stress concentrations in a strip under tension and containing two pairs of semicircular notches placed on the edges symmetrically (A)..... 885
 Stress distributions in rotating disks subjected to creep including effects of variable thickness and temperature (A)..... 383
 Stress effects of rotary straightening on collapse resistance of high-strength casing (A)..... 1060
 Stress-strain relations and vibrations of a granular medium (A)..... 1127
 Stresses after hardness..... 382
 Stresses and displacements in an elastic-plastic wedge (A)..... 776
 Stresses in a perforated strip (A)..... 486
 Theoretical criterion for the fracture of metals under combined alternating stresses (A)..... 486
- STRINGS. See VIBRATION**
- STRIPS. See PLATES**
- STRUCTURES. See also BEAMS, PLATES, SHELLS**
 Attaching sandwich components (A)..... 1154
 Containment for the EBWR (A)..... 477
 Power reactor containment vessels (A)..... 477
 Structural damping of a simple built-up beam with riveted joints in bending (A)..... 383
 Symmetrical buckling of a series of uniformly loaded parallel struts supported by spot connections to a long thin plate (A)..... 885
 Yield loads of slabs with reinforced cutouts (A)..... 382
- STYS, Z. STANLEY**
 Gas turbines for the chemical industry (A)..... 582
- SULLIVAN, GEORGE L.**
 The California Water Plan..... 858
- SUNDBERG, C. O.**
 Proved concepts in oil field roller chain drive selection (A)..... 1066
- SUPERCHARGERS**
 Design features of a gas turbine for a supercharged boiler (A)..... 1166
 Turbocharging development for loop-scavenged two-cycle gas engines (A)..... 678
- SUPERCritical PRESSURE. See WATER**
- SUPERSONIC FLOW. See NOZZLES**
- SUPERVISION. See FOREMAN TRAINING**
- SURFACE FINISH. See also LUBRICATION, METAL FINISHING**
 Surface roughness—a criterion for minimum hydrodynamic oil-film thickness of short journal bearings (A)..... 50
- SURGES. See PETROLEUM PIPELINES**
- SUTTON, G. W.**
 Photoelastic study of strain waves caused by cavitation (A)..... 886
- SWANSON, T. M.**
 Failure of a welded drying drum (D)..... 685
- SYBERT, W. M.**
 Engineering and construction of the engineering test reactor—Part II (A)..... 769
- SYLVANDER, N. E.**
 Multifuel firing of cyclone furnaces (D)..... 103
- SYNTHETIC PRODUCTS. See RUBBER**
- SEKELY, ERNEST**
 Obituary..... 328
- T**
- TABER, RICHARD D.**
 Teflon-based piston rings for nonlubricated applications..... 838
- TAMATE, ORAMU**
 Effects of a circular hole on the pure twist of an infinite strip (A)..... 286
- TAYLOR, C. F.**
 Heat transfer in internal-combustion engines (A)..... 961
- TAYLOR, DEWITT McCLEURE**
 Obituary..... 230
- TAYLOR, IRVING**
 Pump selection and application (BR)..... 503
- TAYLOR, J. H., JR.**
 Heat transfer from a rotating disk in turbulent flow (A)..... 375
- TEA, P. L.**
 Model method for determining geometric factors in solid-to-solid radiation heat transfer (A)..... 880
- TECHNICAL WRITING**
 Bad technical writing (A)..... 1153
 Technical ghostwriting..... 348
- TECHNOLOGY**
 U.S. must meet USSR challenge to maintain strength, progress (A)..... 1082
- TEFLON**
 Teflon-based piston rings for nonlubricated applications..... 838
- TEITELBAUM, PERRY D.**
 Trends and prospects in coal..... 550
- TELEDELLOS. See ELECTRIC ANALOGY**
- TELEVISION**
 Closed-circuit 3-D color TV (A)..... 871
- TEMPERATURES. See PHOTOGRAPHY**
- TENNEY, R. F.**
 Thermal stabilization of anthracite by calcination (A)..... 1170
- TER LINDEN, A. J.**
 Application of gas/liquid cyclones in oil refining (A)..... 385
- TEST, F. L.**
 Study of heat transfer and pressure drop under conditions of laminar flow in the shell side of cross-baffled heat exchangers (A)..... 963
- TESTING. See also BEARINGS, COMBUSTION, COMPRESSORS, INSTRUMENTS, METALLOGRAPHY, MISCELLANEOUS, RADIOGRAPHIC INSPECTION, STRIP-MODEL TESTING, TURBINE TESTING**
 Designing equipment for reliability..... 1142
- TESTING MACHINES. See also METAL TESTING—FATIGUE**
 Coefficients of flat-surface friction..... 1130
- TEXTILE INDUSTRY**
 D-c braking of a-c motors in the textile industry (A)..... 1168
 Modern adjustable-speed drives for textile machinery (A)..... 1168
 Modern textile motors (A)..... 1169
 Power drives for warp-preparation machines (A)..... 1168
 Powered shuttle for looms (A)..... 461
- THAL-LARSEN, H.**
 Correlation functions and noise patterns in control analysis (A)..... 586
- THAYER, G. B.**
 Developments in plastics engineering (D)..... 782
- THEBERT, G. W.**
 Determination of turbine-stage performance for an automotive power plant (A)..... 580
- THERMAL CONDUCTIVITY. See HEAT TRANSFER**
- THERMAL STRESSES**
 Axisymmetric thermal stresses in a spherical shell of arbitrary thickness (A)..... 885
 Investigation of thermal stress fatigue as related to high-temperature piping flexibility (A)..... 483
 Time and temperature dependence of thermal stresses in cylindrical fuel elements (A)..... 477
- THERMOCOUPLES. See INSTRUMENTS—TEMPERATURE**
- THERMODYNAMICS**
 Novel thermodynamics course at Lehigh reviewed at year's end..... 600
 The "state principle"—some general aspects of the relationships among the properties of systems (A)..... 381
 Thermodynamic properties of compressed water..... 939
 Transient thermodynamics of reactors and process apparatus (A)..... 477
- THOMAS, PERCY HOLBROOK**
 Obituary..... 628
- THOMPSON, J. S.**
 Some new data on high-speed impact phenomena (A)..... 285
- THOMPSON, WARREN R.**
 What can the young engineer do to develop professionally?..... 1202
- THOMPSON, WILLIS F.**
 Biography..... 619
 Elected Fellow of ASME..... 619
- THOMSEN, E. G.**
 Experimental and theoretical pressures and velocity fields for various lead extrusions (A)..... 292
 New method for the construction of Hencky-Prandtl nets (A)..... 485
 Stresses after hardness..... 1127

- THORIUM**
Thorium and uranium production in France and Madagascar (A)..... 466
- THORNTON, P. R.**
On the stagnation of natural-convection flows in closed-end tubes (A)..... 881
- THRONE, R. F.**
Utilization of lignite (D)..... 888
- TICE, V. E.**
Development of the Natco feed-rate indicator (A)..... 589
- TIMBER.** See WOOD CONSTRUCTION
- TIMBS, EDWARD**
Obituary..... 220
- TING, L.**
Radial deflections of a cylinder subjected to equal and opposite concentrated radial loads (A)..... 284
- TINKER, TOWNSEND**
Shell-side characteristics of shell-and-tube heat exchangers (A)..... 375
- TIPTON, E. W.**
Mechanical problems involved in short circuits on core-form power-transformer coils (A)..... 682
- TISCHER, R. G.**
Heat processing of foods..... 922
Heat transfer in canning..... 924
- TITANIUM**
Cold extrusion of unalloyed titanium (A)..... 378
Forming of titanium head shapes (A)..... 172
How to drill 6 Al-4V titanium alloy..... 1025
Influence of various grinding conditions upon residual stresses in titanium (A)..... 479
160,000-psi titanium alloy (A)..... 759
Titanium industrial review (A)..... 170
Titanium-sheet-rolling program..... 1112
- TOBIAS, S. A.**
Chatter of lathe tools under orthogonal cutting conditions (A)..... 774
- TOMBAUGH, R. W.**
Back extension of heavy-walled Zircaloy-2 cups (A)..... 590, 936
- TONG, L. S.**
Heat-transfer and flow-friction characteristics of woven-screen and cross-rod matrices (A)..... 377
- TOONG, TAU-YI**
Heat transfer in internal-combustion engines (A)..... 961
- TORQUE.** See PETROLEUM-WELL EQUIPMENT
- TORQUE CONVERTERS.** See HYDRAULIC DRIVES
- TORSION**
Torsion and flexure of slender solid sections (A)..... 1167
- TOULOUKIAN, Y. S.**
Heat transfer in liquid metals (A)..... 965
- TOURTELLOTT, M.**
Organize your engineering project (A)..... 1172
- TOWING TANKS.** See SHIP-MODEL TESTING
- TOWNSEND, S. C.**
P. A. R. homogeneous reactor..... 242
Pennsylvania advanced reactor—process description (A)..... 1161
- TOXICITY.** See INDUSTRIAL HAZARDS
- TRAILERS.** See MOTOR VEHICLES, TRANSPORTATION
- TRANSFORMERS.** See ELECTRICAL EQUIPMENT
- TRANSPORTATION.** See also RAILROAD CARS
Freight car semitrailer (A)..... 464
Piggybacks and "trailer-baks" (A)..... 363
Power-operated trailer coupling (A)..... 876
Rail-highway co-ordination (A)..... 675
Trailers in piggy-back operation from a manufacturer's point of view (A)..... 380
- TREADWELL, K. M.**
Dynamic response of heat exchangers having internal heat sources—Part I (A)..... 880
- TRIGGER, K. J.**
Temperature distribution at tool-chip and tool-work interface in metal cutting (A)..... 479
Tool-work-thermocouple compensating circuit (A)..... 479
- TRONDE, F.**
Solar furnace (D)..... 386
- TROTTER, CLAUD H.**
Maintenance organization factors in the modern refinery (A)..... 47
- TRUCKS.** See INDUSTRIAL TRUCKS, RAILROAD CARS
- TSEU, T. C.**
Thermodynamic properties of compressed water..... 939
- TUBES.** See also FLOW OF FLUIDS, HEAT TRANSFER
Creep of thick tubes under internal pressure (A)..... 972
- TURBINE TESTING**
Turbine overspeed test facility (A)..... 172
250-megawatt turbine test pit (A)..... 666
- TURBOCHARGERS.** See SUPERCHARGERS
- TURBOJETS.** See AIRPLANE ENGINES
- TURBOMACHINERY.** See BLOWERS, COMPRESSORS
- TURNER, J. R.**
Investigation of the end-wall boundary layer of a turbine-nozzle cascade (A)..... 482
- TWISS, S. B.**
Properties of friction materials
I. Experiments on variables affecting noise (A)..... 886
II. Theory of vibration in brakes (A)..... 886
- U**
- UECKER, E. H.**
Steel for Canadian pipelines..... 853
- ULINSKI, B. I.**
Reducing power consumption in hydraulic circuits (D)..... 495
- ULLMAN, J. W.**
Decay and storage of irradiated fuel (A)..... 475
- ULTRASONICS.** See also NONDESTRUCTIVE TESTING, SOLDERING
Elastic moduli measurement by ultrasonic technique (A)..... 755
Ultrasonic detection of thin laminar inclusions (A)..... 1161
Ultrasonic emulsifier (A)..... 665
- UNDERHILL, JEROME S.**
First-line supervisors...how do they spend their time?..... 353
- UNDERWOOD, A. F.**
Million pound high-speed dynamic fatigue-test machine (A)..... 589
- UNGER, GERARD EDWIN**
Obituary..... 1216
- UNION, D. C.**
Dynamic field tests of a process furnace (A)..... 586
Dynamic field tests of a steam turbine (A)..... 586
- UNITED ENGINEERING CENTER**
Action on building fund..... 1179
- UNITED ENGINEERING TRUSTEES**
UET report highlights new engineering center in New York..... 103
- UNTERMAYER, S.**
Use of boiling water as a reactor coolant (A)..... 472
- URANIUM**
Thorium and uranium production in France and Madagascar (A)..... 466
- V**
- VACUUM DISTILLATION.** See DISTILLATION
- VACUUM MELTING.** See INDUSTRIAL FURNACES
- VACUUM METALLURGY.** See METALLURGY
- VACUUM PUMPS.** See JET PUMPS
- VALVES.** See also SAFETY VALVES
Application limits and accuracies of control-valve flow coefficient CV (A)..... 49
Characteristics of unevenly underlapped four-way hydraulic servo valves (A)..... 588
Compensation of steady-state flow forces in spool-type hydraulic valves (A)..... 185
Effect of conduit dynamics on control-valve stability (A)..... 682
Effects of back pressure on hydraulic oil-control valves (A)..... 482
On the quality requirements for steel valves for nuclear power plants (A)..... 474
Pressure-flow characteristics of pneumatic valves (A)..... 189
Resistance coefficients for laminar and turbulent flow through one-half-inch valves and fittings (A)..... 482
- VAN BENSCHOTEN, RICHARD O.**
Young mechanical engineer in teaching..... 414
- VANDERBILT, ARTHUR T.**
Obituary (Ed)..... 719
- VAN DONGEN, J. R. J.**
Application of gas/liquid cyclones in oil refining (A)..... 385
- VAN DYKE, J. C.**
Recent developments in engineered timber construction (A)..... 379
- VAN SICKLE, A. H.**
In-service washing of Ljungstrom air preheaters on pulverized-coal-fired steam generators (A)..... 380
- VAN TASSEL, W. M.**
Utilization of lignite (D)..... 888
- VAN VALKENBURG, M. E.**
Some new data on high-speed impact phenomena (A)..... 285
- VAN VLIET, RICHARD**
Effect of heated condenser discharge upon aquatic life (A)..... 1160
- VAPORS.** See HIGH-TEMPERATURE RESEARCH
- VAUGHAN, A. L.**
Operating considerations in the application of gas-turbine-driven centrifugal pipeline compressors (A)..... 46
- VIBRANS, F. C.**
Variations in marine-engine performance (A)..... 677
- VIBRATION**
Bending frequency of a rotating beam (A)..... 1167
Boiler vibration caused by combustion gas flow (A)..... 290
Chatter of lathe tools under orthogonal cutting conditions (A)..... 774
Component fatigue analysis for maintenance..... 656
Dependence of the frequency spectrum of a circular disk on Poisson's ratio (A)..... 486
Elongating string under the action of a transverse force (A)..... 883
Experimental study on chatter vibrations in grinding operations (A)..... 378
Forced lateral oscillations of trailers (A)..... 883
Forced vibration of a body on elastic stratum (A)..... 382
Forced vibrations of systems with nonlinear, nonsymmetrical characteristics (A)..... 973
Gas pulsations—the problem, Southern Gas Association's approach, and results (A)..... 676
High frequency vibration of steam-turbine buckets (A)..... 191
Method for calculating vibration frequency and stress of a banded group of turbine buckets (A)..... 190
Natural frequencies of nonuniform beams on multiple elastic supports (A)..... 1072
Nodal patterns of the free flexural vibrations of stiffened plates (A)..... 972
Properties of friction materials—II, theory of vibration in brakes (A)..... 886
Self-excited vibrations of an air-lubricated thrust bearing (A)..... 1163
Specific damping energy of fixed-fixed beam specimens (A)..... 972
Stress-strain relations and vibrations of a granular medium (A)..... 776
Superharmonic oscillations as solutions to Duffing's equation as solved by an electronic differential analyzer (A)..... 970
Type of flame-excited oscillation in a tube (A)..... 971
Vibration design charts (A)..... 190
Vibration modes of stators of induction motors (A)..... 285
- VICKERS, HARRY F.**
Biography..... 69
Receives ASME Medal..... 69
Receives ASTE Progress Award..... 509
- VILLELLA, J.**
Use of ionizing radiations in control of parasitic infections (A)..... 477
- VISCOELASTIC MATERIALS.** See PLASTICS
- VISCOMETERS.** See INSTRUMENTS—VISCOSITY
- VISCOSITY.** See FLOW OF FLUIDS, GASES
- VON DER NUEL, W. T.**
General design considerations for smaller gas turbines (A)..... 1165
- VON TURKOVICH, R. F.**
Ceramic and carbide tool performance tests—Part II (A)..... 967
- VULLIUMIER, ALBERT**
Obituary..... 220
- VULCANIZED FIBER.** See PLASTICS

W

- WAGNER, HARVEY A.
Standardization problems of a reactor design..... 248
- WAHL, A. M.
Stress distributions in rotating disks subjected to creep including effects of variable thickness and temperature (A)..... 383
- WAITE, L. W.
Manufacturing small engines (A)..... 1166
- WALD, G. G.
The hot airplane..... 925
- WALKER, A. B.
Experimental investigation of critical design factors for vane-type cyclone collectors (A)..... 590
- WALKER, ALEXANDER GEORGE
Obituary..... 424
- WALKER, R. D.
Production engineering of solid-fuel rocket motors (A)..... 582
- WALLACE, W. D.
Evaluation of railway draft gears (A)..... 675
- WALLER, E. J.
Pressure surges in pipelines (A)..... 1064
- WALSH, B. R.
Universal bearing tester (A)..... 51
- WANG, H.-E.
Corrections for the oscillating-disk viscometer (A)..... 381
Viscosity of five gases: a re-evaluation (A)..... 187
- WANGAARD, F. J.
Fire safety of engineered timber construction (D)..... 1075
- WARDENBURG, G. B.
Forced vibration of a body on elastic stratum (A)..... 382
- WARD, F. R.
Indian Point pressurized-water reactor (cond.)..... 233
- WARE, D. H.
Electronic data processing machines; controls for design and engineering procedures..... 632
- WAREHOUSES
Computer-controlled shipping center (A)..... 1044
- WARNER, EDWARD P.
Receives Wright Brothers Memorial Trophy..... 107
- WARWICK, W. C.
"Zytel" nylon resin: a versatile engineering material (AC)..... 498
- WATER
Heat transfer to supercritical water (A)..... 963
Thermodynamic properties of compressed water..... 939
- WATER FLOODING. *See* PETROLEUM INDUSTRY
- WATER SUPPLY
The California Water Plan..... 858
"Package" water plant (A)..... 362
- WATERGUS, CHARLES A.
Obituary..... 1012
- WATTS, GEORGE ALFRED
Multifuel firing of cyclone furnaces (AC) Obituary..... 194
328
- WAVE MECHANICS
Determination of the equation of state from wave-front observations (A)..... 291
Influence of width on velocities of long waves in plates (A)..... 885
Response of nonlinearly supported spherical boundaries to shock waves (A)..... 886
Study of the propagation of flexural waves in elastic beams (A)..... 886
- WAY, G. L.
Computer applications in the power industry (A)..... 968
- WAYNE, S. S.
Effect of heavy rainstorms on J47 turbojet operation (A)..... 282
- WEAR
Coefficients of flat-surface friction..... 1130
Statistical analysis of a wear process (A)..... 50
- WEAVER, F. L.
High frequency vibration of steam-turbine buckets (A)..... 191
- WEAVING, J. H.
The Austin vehicle gas turbine..... 643
- WEBB, BAXTER H.
How to analyze the cost of machine tools (D)..... 391
- WEBB, RALPH D.
Honorary member of ISA..... 1182
- WEBER, ARTHUR W.
Biography..... 813
Nominated for Regional Vice-President..... 813
- WEBER, H. E.
Head loss in flow through a cyclone dust separator or vortex chamber (A)..... 382
- WEBER, OSCAR EMILE
Obituary..... 1108
- WEBJORN, JAN
Recent technical and economic developments in Western Europe (D)..... 592
Why is U. S. industry strong? (D)..... 592
- WEDGES. *See* STRESSES AND STRAINS
- WEHE, R. L.
Properties of misaligned journal bearings (A)..... 50
- WEIGHING MACHINES
Weighing and blending with pneumatic belt scales..... 934
- WEINBERG, ALVIN M.
Engineering considerations—in nuclear reactor design..... 231
- WEINIG, F. S.
New approach to the theory of thin, slightly cambered profiles (A)..... 381
- WEINSTEIN, A. S.
Influence of gradient temperature fields on thermocouple measurements (A)..... 960
- WEINSTEIN, J. H.
Planning a student section meeting on industrial indoctrination..... 211
- WEIR, C. D.
Creep of thick tubes under internal pressure (A)..... 972
- WEISNER, E. F.
Sodium-graphite reactor (cond.)..... 245
- WEISSGOLD, DAVID JESSE
Obituary..... 828
- WEITER, E. J.
Coefficients of flat-surface friction..... 1130
- WELANETE, L. F.
Graphical versus computer techniques—for mechanism analysis (A)..... 383
- WELCH, C. P.
Heat transfer to supercritical water (A)..... 963
- WELDED JOINTS
Report on strength of welded joints in carbon steel at elevated temperatures (A)..... 1064
- WELDING
Austenitic steels in high-temperature steam piping (A)..... 484
Failure of a welded drying drum (D)..... 684
New arc-welding process (A)..... 273
Pipeline steels—a review of the industry..... 448
- WELSH, JOHN A.
Biography..... 72
Receives Williston Award..... 72
- WELSH, W. E.
Experimental studies of free-convection heat transfer in a vertical tube with uniform wall heat flux (A)..... 377
- WENDER, L.
Heat transfer between fluidized solids beds and boundary surfaces—correlation of data (A)..... 1070
- WESCOTT, BLAINE B.
How is the research dollar spent?..... 747
- WESSON, CHARLES MACON
Obituary..... 328
- WESTCOTT, J. H.
Design of multivariable optimum filters (A)..... 585
- WESTON, E. H.
Notes on catalytic-cracked fuels..... 651
- WESTWATER, J. W.
Film boiling from vertical tubes (A)..... 1070
- WETHERILL, FREDERIC V.
Obituary..... 916
- WETTING. *See* HEAT TRANSFER
- WEXLER, A.
Control of research and development to meet company objectives (A)..... 584
- WHEATER, R. I.
Effort to use a laboratory test as an index of combustion performance (A)..... 53
- WHEATON, WILLIAM E.
Obituary..... 628
- WHEELER, LOUIS JAMES
Obituary..... 1108
- WHIPPLE, G. HOYT
Radiation-hazard control for a power reactor..... 253
- WHITE, A. O.
Design features of new 16,500-kw gas turbines for power generation (A)..... 581
- WHITE, ALBERT EASTON
Obituary..... 424
- WHITE, JAMES ALFRED
Obituary..... 716
- WHITFORD, ALEXANDER W.
Obituary..... 532
- WHITEMAN, I. R.
Heat transfer between a flat plate and a fluid containing heat sources (A)..... 880
Heat transfer to flow in a round tube with arbitrary velocity distribution (A)..... 965
- WHITERIDEA, W. F.
Approach to simplification of aerial refueling hose-reel units (A)..... 681
- WHITLEY, FREDERIC NELSON
Obituary..... 1216
- WICHUM, VICTOR
Obituary..... 1012
- WICKENDEN, THOMAS H.
Awarded honorary D.S. degree at Denison University..... 815
- WIEBE, W. H.
Design of warped buckets for optimum efficiency (A)..... 588
- WIKANDER, OSCAR RAGNAR
Obituary..... 220
- WIKSTROM, OLLE
Obituary..... 1108
- WILD, JOHN M.
Arnold Engineering Development Center..... 8
- WILDER, A. B.
Pipeline steels—a review of the industry..... 448
- WILDING, JOHN D.
Appointed Assistant Secretary of ASME..... 810
- WILDMANN, M.
Experiments on gas-lubricated journal bearings (A)..... 51
- WILEY, J. R.
Air-cargo-terminal design and location (A)..... 384
- WILHOIT, J. C., JR.
Apparent frictional forces of clamping elements as used in the oil industry (A)..... 385
- WILHOIT, L. M.
Surface-controlled subsurface safety device for offshore locations (A)..... 1066
- WILKINSON, THOMAS LEE
Obituary..... 128
- WILLA, J. L.
Instrumenting a field study of industrial water-cooling tower performance (A)..... 288
- WILCOX, GEORGE BINGHAM
Obituary..... 1012
- WILLIAMS, A. J., JR.
Some dynamics of the golf shot (A)..... 587
- WILLIAMS, CLYDE
Fuels for the future..... 552
- WILLIAMS, F. S. G.
Appointed chairman of the Special Committee on Nuclear Power..... 321
- WILLIAMS, M. L.
On the stress distribution at the base of a stationary crack (A)..... 284
- WILLIAMS, WILLIAM HORACE
Obituary..... 1216
- WILLIS, D. G.
Elastic coefficients of the theory of consolidation (A)..... 776
- WILLISTON, ARTHUR LYMAN
Obituary..... 220
- WILLKE, H. L.
Hydraulic torque converters..... 738
- WILSON, G. F.
Ceramic and carbide tool performance tests—Part I (A)..... 184
- WILSON, L. A.
Mechanical approach to simplified jet-engine maintenance (A)..... 680
- WILSON, LYNDON FRANCIS
Obituary..... 1216
- WILSON, R. A.
Belt feeders..... 1042
- WILSON, R. B.
Designing equipment for reliability..... 1142
- WIND POWER
Generation of electricity by wind power (BR)..... 392
- WINDSHIELDS
Supersonic safety glass for airplane windshields (A)..... 175

WISEMAN, C. D. Effect of stress on creep at high temperatures (A).....	285
WITHEROW, RALPH Are engineers underpaid?—some conclusions.....	168
WITTEL, OTTO Nonintermittent film projector.....	345
WOLCOTT, J. R. Dresden boiling-water reactor (cond.)...	238
WOLFE, HARRY HAMILTON Obituary.....	828
WOLFSON, M. K. Experience with water-alcohol injection on the J47 engine (A).....	384
WOMEN ENGINEERS Can women crash the gate?.....	598
WOOD, P. I. Guided missiles call for airborne auxiliary power systems for purposes other than propulsion.....	733
WOOD CONSTRUCTION Design of timber roof truss with nail-glued connections (A).....	379
Fire safety of engineered timber construction.....	350, (D) 1075
Recent developments in engineered timber construction (A).....	379
WOOD INDUSTRIES. <i>See also</i> PLYWOOD Case for the hollow core (A).....	679
Paper honeycomb used for core materials at the Brunswick Balke Collender Company (A).....	679
Selection of carbide-tipped saw blades for optimum performance (A).....	678
WOODCOCK, ALAN H. Analysis of energy exchange between man and his environment.....	1029
WOODMAN, WALTER C. Yankee pressurized-water reactor (cond.)	236
WOODWORKING MACHINERY Automatic machining in furniture manufacture (A).....	678
Automatic sanding.....	546
Finishing controls at Drexel Furniture Company (A).....	679
Mechanical unit for taper sawing (A)....	882
Remote-control systems for setting saw-mill carriages (A).....	883
Woodworking accuracy.....	542
WOGLARD, H. W. Theoretical analysis of the viscous flow in a narrowly spaced radial diffuser (A).....	381

WOOTON, W. R. Nuclear power in Britain (A).....	770
WORLD POWER CONFERENCE Eleventh sectional meeting, Belgrade, 1957.....	397
WORRELL, G. R. Selection of materials for construction of catalytic reforming units (A).....	47
WRAITH, WILLIAM Obituary.....	220
WREN, J. B. Modern textile motors (A).....	1169
WUSKA, ANDREW T. Report from Dixie on the professional development of the young engineer...	620

X

X RAYS. <i>See</i> GAGES.	
XANTEN, W. A. Design criteria for municipal incinerators (D).....	389
XEROGRAPHY. <i>See</i> PHOTOGRAPHY	

Y

YEH, H. Boundary layer along annular walls in a swirling flow (A).....	968
YELLOTT, J. I. Some aspects of solar-energy economics (A).....	773
YINDRA, JOSEPH New single-shaft 3000-hp gas turbine ideal for mechanical drive application (A).....	581
YOKOBORI, T. Theoretical criterion for the fracture of metals under combined alternating stresses (A).....	486
YOUNG, E. C. Automatic production of oil from well-head to pipeline (A).....	1062
YOUNG, H. D. Engineering and construction of the engineering test reactor—Part II (A)...	769

Z

YOUNG, R. L. Design considerations in the development of a cyclone-fired boiler installation (A).....	1162
YOUNGBLUTT, S. P. Tools, ideas, and people perform aircraft engine overhaul and maintenance (cond.).....	1123
YUAN, S. W. Radial deflections of a cylinder subjected to equal and opposite concentrated radial loads (A).....	284
ZEISER, R. W. Design and testing of containment provisions for the engineering test reactor (A).....	973
ZELINK, H. E. Convective heat transfer from high-temperature air inside a tube (A).....	1070
ZERBE, J. E. Investigation of burnout heat flux in rectangular channels at 2000 psia (A).. Pressure drop for parallel flow through rod bundles (A).....	881 483
ZIELKE, C. W. Multifuel firing of cyclone furnaces (D)...	193
ZINKHAM, R. E. Stress effects of rotary straightening on collapse resistance of high-strength casing (A).....	1060
ZIRCONIUM Back extrusion of heavy-walled Zircaloy-2 cups (A).....	560, 936
ZONE REFINING. <i>See</i> SILICON	
ZSCHALER, W. A. Control-rod and drive mechanism for the engineering test reactor (A).....	769
ZUBER, NOVAK On the stability of boiling heat transfer (A).....	962
ZUMBUNNEN, R. J. Selecting water-treating processes for medium-pressure boilers (A).....	481
ZUPNIK, T. Effectiveness of stub fins as determined by the Teledeltos paper analog (A)...	960
ZWICKY, E. E., JR. Use of digital computers in the mechanical design of large steam turbines (A)...	288

Index to ASME Transactions

Volume 79, 1957

The ASME Transactions for 1957 was issued in January, February, April, May, July, August, October, and November, 1957.
The Society Records for the year 1956 appeared as supplements, in January and February, 1957, and the index section in January, 1957. The page numbers for these supplements are designated by the symbol SR, and the supplement contains its own index.
(D) denotes discussion of a paper.

A

ABLOW, C. M. Transient air temperatures in a duct . . .	1536
ACCELEROMETERS. <i>See</i> INSTRUMENTS	
ACOSTA, A. J. Effect of the volute on performance of a centrifugal-pump impeller	1057
Experimental study of centrifugal-pump impellers	1821
ACOUSTICS Noise, vibration, and measurement problems, resulting from fluid-flow disturbances	1043
ADHESION (RAIL) Investigation of causes of low wheel-to-rail adhesion and possible methods of improving it	377
AERODYNAMICS Problems encountered in the translation of compressor performance from one gas to another	887
AIR HEATERS Operating experience and design features of closed-cycle gas-turbine power plants	627
AIRPLANE ENGINES Experiments with optimizing controls applied to rapid control of engine pressures with high-amplitude noise signals	481
AIRPLANE FUEL SYSTEMS Experiments with optimizing controls applied to rapid control of engine pressures with high-amplitude noise signals	481
AIRPLANE HYDRAULIC SYSTEMS Comparison of hydraulic and pneumatic accessory power generation	1284
AIRPLANE REFUELING. <i>See</i> FLUID METERS	
AIRPLANE WINGS Weight-efficiency analysis of thin-wing construction	974
AIRPLANES. <i>See also</i> COOLING SYSTEMS Aircraft structural testing techniques at elevated temperatures	1005
Application of a new structural index to compare titanium alloys with other materials in airframe structures	949
Description and prediction of human response to aircraft thermal environments	1024
Design criteria for heated aircraft structures	980
Discussion on safety-factor requirements for supersonic aircraft structures	986
Optimum stresses of structural elements at elevated temperatures	959
Some NACA research on effect of transient heating on aircraft structures	1014
Some structural penalties associated with thermal flight	990
Thermomechanical efficiencies of compression elements and materials	967
ALLEN, J. L. Avon No. 8—a supercritical-pressure plant (D)	936
ALLEN, R. K. Investigation of causes of low wheel-to-rail adhesion and possible methods of improving it	377
ALLOYS. <i>See also</i> ALUMINUM AND ALUMINUM ALLOYS, METALLURGY	
ALUMINUM AND ALUMINUM ALLOYS Application of a new structural index to compare titanium alloy with other materials in airframe structures	949
Forces and power required to turn aluminum and seven alloys	909
Residual stresses in cold extruded aluminum	155

ISSUE	PAGE NUMBERS
January	1-190
February	191-438
April	439-694
May	695-948
July	949-1204
August	1205-1458
October	1459-1714
November	1715-1970

AMBLER, G. C. Testing dynamically loaded bearings—II a diesel-engine bearing test machine (D)	1265
AMSTEAD, B. H. Temperature and velocity distribution and transfer of heat in a liquid metal	279
ANALOGY. <i>See</i> ELECTRIC ANALOGY	
ANALYSIS. <i>See</i> AUTOMATIC CONTROL, DIMENSIONAL ANALYSIS, NONLINEAR SYSTEMS, SPECTROGRAPHIC ANALYSIS	
ANDERSON, J. B. Fuel elements for nuclear reactors	29
ANDERSON, R. A. Weight-efficiency analysis of thin-wing construction	974
ANGER, E. M. High-temperature corrosion of alloys exposed in the superheater of an oil-fired boiler (D)	327
APPEL, D. W. Cavitation characteristics of gate valve and globe valves used as flow regulators under heads up to about 125 feet (D)	1281
APPLIED MECHANICS Fork-truck stability—a study in moments	1591
ARONSON, DAVID Generalized optimal heat-exchanger design (D)	658
Pressure drop for parallel flow through rod bundles (D)	1756
AUSMAN, J. S. Fluid dynamic theory of gas-lubricated bearings	1218
AUTOMATIC CONTROL. <i>See also</i> PNEUMATIC DEVICES, SERVO MECHANISMS Application of an analog computer to the measurement of process dynamics	823
Basic methods for nonlinear control-system analysis	497
Determination of the characteristics of multi-input and nonlinear systems from normal operating records	567
Experiments with optimizing controls applied to rapid control of engine pressures with high-amplitude noise signals	481
Graphical method for the analysis of piecewise linear control systems, with particular application to relay controls	841
How to obtain describing functions for nonlinear feedback systems	509
Information center with automatic logger and scanner—Neches Power Station, Gulf States Utilities Company	1652
New automatic dispatching system at Kansas City	1663
Optimum nonlinear control	527
Phase-space method for analysis of nonlinear control systems	1897
Physical and mathematical mechanisms of instability in nonlinear automatic control systems	553
Response of temperature-sensing-element analogs	1857

AUTOMATIC CONTROL (continued) Résumé of the development and literature of nonlinear control-system theory	445
Signal stabilization of a control system	1869
Use of nonlinear valve characteristics in the control of a simple blending process	329

B

BACKER, W. R. Influence of grinding fluids upon residual stresses in hardened steel (D)	152
BAILEY, W. H. Metallurgical considerations of main steam piping for high-temperature, high-pressure service (D)	1393
BAIRD, R. B. Aircraft structural testing techniques at elevated temperatures	1005
BAKER, MERL Mechanical computing device for the analysis of one-dimensional, transient, heat-conduction problems (D)	679
BALJE, O. E. Drag-turbine performance	1291
BALL, J. W. Cavitation characteristics of gate valve and globe valves used as flow regulators under heads up to about 125 feet	1275
BALMFORD, J. A. Analysis of a process-fluid-flow network by electrical analogy	1957
BANKOFF, S. G. Ebullition from solid surfaces in the absence of a pre-existing gaseous phase	735
BANWELL, C. J. Flow sampling and discharge measurement in geothermal bores	269
New Zealand thermal area and its development for power production	255
BARGER, J. P. Comparison of refrigerants when used in vapor compression cycles over an extended temperature range	681
BARNES, A. H. Methods of refueling heterogeneous nuclear reactors	47
BARTAS, J. G. Estimation of temperature patterns in multiply-shielded systems	1722
BARTLETT, R. L. Predicting performance of large steam turbine-generator units for central stations	1085
BARWELL, F. T. Testing dynamically loaded bearings—I a short history of bearing test machines (D)	1256
BASS, R. W. Basic methods for nonlinear control-system analysis (D)	507
Graphical method for the analysis of piecewise linear control systems, with particular application to relay controls (D)	850
How to obtain describing functions for nonlinear feedback systems (D)	512
Physical and mathematical mechanisms of instability in nonlinear automatic control systems (D)	563
BEADLE, R. H. Combustion system for spark-fired gas engines using diesel compression ratios	815
BEAMS Curved beams with eccentric boundaries	1317
BEARDSLEY, E. G. Combustion system for spark-fired gas engines using diesel compression ratios (D)	819

BEARINGS

- Analysis of journal bearings with arbitrary load vector..... 1213
 Application of digital computers to bearing design..... 1483
 Design study of a hydrostatic gas bearing with inherent orifice compensation..... 11
 Fluid dynamic theory of gas-lubricated bearings..... 1218
 Heat-transfer effects in hydrostatic thrust-bearing lubrication..... 1225
 Maximum temperature profile in journal bearings..... 337
 On the theory of grease-lubricated thrust bearings..... 1229
 Predominant-peak surface roughness, a criterion for minimum hydrodynamic oil-film thickness of short journal bearings..... 1235
 Properties of misaligned journal bearings..... 1205
 Spring-supported thrust bearing..... 351
 Temperature distribution in the journal-bearing lubricant film..... 343
 Testing dynamically loaded bearings I, a short history of bearing test machines..... 1247
 II, a diesel-engine bearing test machine..... 1260
 Universal bearing tester..... 1267

BECK, CYRUS

- Resistance coefficients for laminar and turbulent flow through one-half-inch valves and fittings (D)..... 1764

BELL, K. J.

- Flow through annular orifices..... 593

BELLMAN, RICHARD

- Résumé of the development and literature of nonlinear control-system theory (D)..... 449

BELSHHEIM, R. O.

- Delayed-yield time effects in mild steel under oscillatory axial loads..... 1619

BENNETT, J. D.

- Power from solar energy (D)..... 1358

BENTON, T. C.

- Temperature distribution in the journal-bearing lubricant film..... 343

BERGELIN, O. P.

- Flow sampling and discharge measurement in geothermal bores (D)..... 278
 Flow through annular orifices..... 593
 New Zealand thermal area and its development for power production (D)..... 238

BIERSON, G. A.

- Dual-mode damper-stabilized servo (D)..... 479

BIGLIANO, R. P.

- On the dynamics of pneumatic transmission lines (D)..... 868
 Use of nonlinear valve characteristics in the control of a simple blending process (D)..... 336

BINDER, R. C.

- Practical application of uncertainty calculations to measured data..... 373

BIRMANN, RUDOLPH

- Design and development of a two-cycle turbocharged diesel engine (D)..... 1038

BISHOP, R. H.

- Noise, vibration, and measurement problems, resulting from fluid-flow disturbances..... 1043

BLACK, K. G.

- Résumé of the development and literature of nonlinear control-system theory (D)..... 449

BLADES, R. T.

- Prevention of destructive engine failure by spectrographic analysis of crankcase oils..... 709

BLADES. See TURBOMACHINERY

BLAKE, F. A.

- Combustion system for spark-fired gas engines using diesel compression ratios..... 815

BLASCHKE, T. C.

- Design basis for cascade-type positional servomechanisms..... 1873

BLENDING. See MIXING

BLIZARD, E. P.

- Reactor shielding..... 35

BLUMBERG, H. S.

- Metallurgical considerations of main steam piping for high-temperature, high-pressure service..... 1377

BOGAR, W. H.

- Fork-truck stability—a study in moments..... 1591

BOGARDUS, F. J.

- Curved beams with eccentric boundaries..... 1317

BOILERS

- Engineering the Eddystone steam generator for 5000-psig, 1200-F steam..... 1447
 High-temperature corrosion of alloys exposed in the superheater of an oil-fired boiler..... 319

BOILING

- Ebullition from solid surfaces in the absence of a pre-existing gaseous phase..... 735
 Theoretical analysis of heat transfer in natural convection and in boiling..... 1501

BOOTH, W. A.

- Pressure-flow characteristics of pneumatic valves (D)..... 1586

BOSTON, O. W.

- Forces and power required to turn aluminum and seven alloys..... 909

BOTTOMLEY, W. T.

- Fluid flow through two orifices in series, III—The parameters of metastable and stable flow of hot water (D)..... 189

BOULGER, F. W.

- Force relationships in the machining of low-carbon steels of different sulphur contents..... 1155
 Influence of lead on metal-cutting forces and temperatures (D)..... 1153
 Loaded steel and the real area of contact in metal cutting (D)..... 1171

BOUNDARY LAYER. See FLOW OF FLUIDS, HEAT TRANSFER

BOWERMAN, R. D.

- Effect of the volute on performance of a centrifugal-pump impeller..... 1057
 Experimental study of centrifugal-pump impellers..... 1821

BRANARD, P. L.

- Fork-truck stability—a study in moments (D)..... 1596

BRAKES

- Graphical shoe-brake analysis..... 1322

BREDTHAUER, R. O.

- Strength characteristics of rock samples under hydrostatic pressure..... 695

BROWNS, R. C.

- Aircraft structural testing techniques at elevated temperatures..... 1005

BROWN, E. I.

- Comparison of hydraulic and pneumatic accessory power generation..... 1284

BROWN, H. E.

- Temperature and velocity distribution and transfer of heat in a liquid metal..... 279

BROWN, W. F., JR.

- Creep damage in a Cr-Mo-V steel as measured by retained stress rupture properties..... 117
 On the applicability of notch tensile test data to strength criteria in engineering design (D)..... 115

BRUCKNER, R. E.

- Mollier diagrams for water near bubble point (D)..... 1195

BRULL, M. A.

- Optimum stresses of structural elements at elevated temperatures..... 959

BRYDEN, H. L.

- Comparative machinability of B1113—C1213—C1120 HR—C1120 CD and C1119 steels..... 915

BUBBLE POINT. See WATER

BUCKLEY, P. S.

- On the dynamics of pneumatic transmission lines (D)..... 868

BURNERS

- Heat transfer by radiation from flames—a summary of the work of the International Flame Research Foundation..... 1727

C

CAMERON, D. H.

- New automatic dispatching system at Kansas City..... 1663

CAMERON, J. A.

- Cooling towers for steam-electric stations—selection and performance experiences (D)..... 1695

CAMPBELL, C. B.

- Eddystone superpressure unit..... 1431

CARLIS, O. S.

- Fork-truck stability—a study in moments (D)..... 1597

CARM, ARIEN

- Natural-convection heat transfer from a horizontal cylinder rotating in air..... 741

CARPENTER, O. R.

- Eight years of experience with austenitic steel piping materials at elevated steam conditions (D)..... 1376

CARTER, Wm. J.

- Application of complex geometry to relative velocities and accelerations in mechanisms (D)..... 692
 Kinematic analysis and synthesis using collineation-axis equations..... 1305

CASCADES. See COMPRESSORS, FLOW OF FLUIDS, SERVOMECHANISMS

CASE, S. L.

- Comparative machinability of B1113—C1213—C1120 HR—C1120 CD and C1119 steels (D)..... 918

CASEY, D. F.

- Heat transfer to lead-bismuth in turbulent flow in an annulus..... 1514

CAST IRON

- Flow and fracture of nodular cast iron..... 1911

CATHERON, A. R.

- Design basis for cascade-type positional servomechanisms (D)..... 1896
 On the dynamics of pneumatic transmission lines (D)..... 868

CAVITATION

- Cavitation characteristics of gate valves and globe valves used as flow regulators under heads up to about 125 feet..... 1275

CEELY, F. J.

- An effort to use a laboratory test as an index of combustion performance..... 1177

CERS, R. D.

- Heat-transfer rates to crossflowing mercury in a staggered tube bank—I (D)..... 905

CHAMBERLAIN, H. H.

- New automatic dispatching system at Kansas City (D)..... 1668

CHANG, YAN PO

- Theoretical analysis of heat transfer in natural convection and in boiling..... 1501

CHATTERTON, ERNEST

- Future developments of the high-speed diesel engine..... 1941

CHENG, SIN-I

- Unsteady laminar boundary layer on a flat plate..... 725

CHESTERS, J. H.

- Heat transfer by radiation from flames—a summary of the work of the International Flame Research Foundation (D)..... 1738

CHIN, T. H.

- Résumé of the development and literature of nonlinear control-system theory (D)..... 449

CHURCH, A. H.

- Vibration design charts (D)..... 1475

CIESLICKI, M. E.

- Spring back of metals (D)..... 115

CLABOUGH, W. J.

- Orifice-metering coefficients and pipe friction factors for the turbulent flow of lead-bismuth eutectic..... 1079

CLAMPS. See PETROLEUM-WELL EQUIPMENT

CLARE, H.

- Effect of ambient and fuel pressure on nozzle spray angle (D)..... 614

CLARE, C. L.

- Experimental super heater for steam at 2000 psi and 1250F—Report after 14,281 hours of operation (D)..... 315

CLARK, R. N.

- Compensation of steady-state flow forces in spool-type hydraulic valves..... 1784
 Résumé of the development and literature of nonlinear control-system theory (D)..... 450

CLAYTON, M. M.

- Cavitation characteristics of gate valve and globe valves used as flow regulators under heads up to about 125 feet (D)..... 1282

CLOUDS. See SPRAYS

CLOUGH, W. R.

- Flow and fracture of nodular cast iron..... 1911

COFFIN, L. F., JR.

- Flow and fracture of nodular cast iron (D)..... 1919
 Investigation of thermal-stress fatigue as related to high-temperature piping flexibility..... 1637

COLD WORKING. See METAL ROLLING

COLE, J. A.

- Temperature distribution in the journal-bearing lubricant film (D)..... 348

COLE, W. H.

- Experimental investigation of critical design factors for vane-type cyclones..... 1715

COMBUSTION

- Applications of an enthalpy-fuel/air

- COMBUSTION (continued)**
 ratio diagram to "first law" combustion problems..... 1129
 Combustion system for spark-fired gas engines using diesel compression ratios..... 815
 An effort to use a laboratory test as an index of combustion performance..... 1177
 Heat transfer by radiation from flames—a summary of the work of the International Flame Research Foundation..... 1727
 On the changing size spectrum of particle clouds undergoing evaporation, combustion, or acceleration..... 775
COMBUSTORS. See GAS TURBINES
COMPRESSED AIR. See PNEUMATIC DEVICES
COMPRESSORS
 Operating considerations in application of gas-turbine-driven, centrifugal, pipeline compressors..... 721
 Problems encountered in the translation of compressor performance from one gas to another..... 887
 Skewed boundary-layer flow near the end walls of a compressor cascade..... 1789
COMPUTERS. See also ELECTRIC ANALOGY
 Application of digital computers to bearing design..... 1483
 Dynamic performance computer for gas-turbine engines..... 1707
 Investigations of the properties of corrugated diaphragms..... 65
 Mechanical computing device for the analysis of one-dimensional, transient, heat-conduction problems..... 673
 Two applications of a digital computer to machine-design problems..... 1476
CONDUCTION. See HEAT TRANSFER
CONTROL. See AUTOMATIC CONTROL, SERVOMECHANISMS
CONVECTION. See HEAT TRANSFER
COOK, N. H.
 Influence of lead on metal-cutting forces and temperatures..... 1143
COOK, R. D.
 Method for presenting the response of temperature-measuring systems (D)..... 1855
 Response of temperature-sensing-element analogs (D)..... 1865
COOLING SYSTEMS
 Comparison of refrigerants when used in vapor compression cycles over an extended temperature range..... 681
 Mass-transfer cooling in a laminar boundary layer with constant fluid properties..... 247
 Research on application of cooling to gas turbines..... 645
COOLING TOWERS
 Cooling towers for steam-electric stations—selection and performance experiences..... 1679
 Instrumenting a field study of industrial water-cooling tower performance..... 1679
COOLING TOWER INSTITUTE. TECHNICAL SUB-COMMITTEE No. 2
 Instrumenting a field study of industrial watercooling tower performance..... 1679
COON, G. A.
 Response of temperature-sensing-element analogs..... 1857
COREY, R. C.
 An effort to use a laboratory test as an index of combustion performance (D)..... 1182
CORROSION
 High-temperature corrosion of alloys exposed in the superheater of an oil-fired boiler..... 319
CORTEN, H. T.
 Effect of surface finish on the fatigue strength of titanium alloys RC 130B and Ti 140A..... 89
 Effects of complex stress-time cycles on the fatigue properties of metals (D)..... 1336
COST ANALYSIS
 Maintenance factors affecting production costs..... 173
COULTER, S. B.
 Importance of matching steam temperatures with metal temperatures during starting of large steam turbines..... 1669
COWLEY, P. E. A.
 Application of an analog computer to the measurement of process dynamics..... 823
CRAIN, R. W., SR.
 Transient air temperatures in a duct (D)..... 1541
CRAMER, K. R.
 Heat transfer to laminar boundary layers with variable free-stream velocity (D)..... 1549
CRANDALL, S. H.
 Spring back of metals (D)..... 7
CRANE, E. V.
 Residual stresses in cold extruded aluminum (D)..... 159
CRANKCASE OILS. See LUBRICANTS
CREVELING, J. H.
 Some studies of angle relationships in metal cutting..... 127
CROOKS, W. R.
 Combustion system for spark-fired gas engines using diesel compression ratios (D)..... 820
CUMMINGS, H. N.
 Fatigue of metals under combinations of stresses (D)..... 1347
CUNNINGHAM, R. G.
 Jet-pump theory and performance with fluids of high viscosity..... 1807
CURRAN, R. M.
 Austenitic steels in high-temperature steam piping..... 1398
CUTTING FLUIDS. See GRINDING, METAL CUTTING
CYCLONES. See DUST COLLECTORS
- D**
- DANIEL, FARRINGTON**
 Power from solar energy (D)..... 1358
DANEHGER, W. J.
 Pressure drop for parallel flow through rod bundles (D)..... 1756
DARWIN, WALTER
 Generalized optimal heat-exchanger design (D)..... 660
DAUBER, C. A.
 Avon No. 8—a supercritical-pressure plant..... 927
DE CORSO, S. M.
 Effect of ambient and fuel pressure on nozzle spray angle..... 607
DEFORMATION. See also METAL CREEP
DE GRAAF, J. E.
 Heat transfer by radiation from flames—a summary of the work of the International Flame Research Foundation (D)..... 1739
DEMING, N. R.
 Instrumentation for steam-consumption tests on medium steam turbine-generator sets (D)..... 363
DESCRIBING FUNCTIONS. See NONLINEAR SYSTEMS
DIAPHRAGMS
 Design of corrugated diaphragms..... 55
 Investigations of the properties of corrugated diaphragms..... 65
 Recent research on flat diaphragms and circular plates with particular reference to instrument applications..... 83
DISBOLL, W. B., JR.
 Apparent frictional forces on clamping elements as used in the oil industry (D)..... 1635
 Vibration design charts (D)..... 1475
DIESEL ENGINES
 Design and development of a two-cycle turbocharged diesel engine..... 1929
 Future developments of the high-speed diesel engine..... 1941
 Testing dynamically loaded bearings—II a diesel-engine bearing test machine..... 1200
DIMENSIONAL ANALYSIS
 Investigations of the properties of corrugated diaphragms..... 65
DISPATCHING. See AUTOMATIC CONTROL, POWER SYSTEMS
DITTRICH, R. T.
 Pressure drop and air-flow distribution in gas-turbine combustors..... 1601
DOLAN, T. J.
 Effect of surface finish on the fatigue strength of titanium alloys RC 130B and Ti 140A..... 89
DOLL, H. G.
 Design and analog-computer analysis of an optimum third-order nonlinear servomechanism..... 513
DONWORTH, R. B.
 Engineering the Eddystone steam generator for 5000-psig, 1200-F steam (D)..... 1457
DOUGLAS, T. B.
 Specific heats of liquid metals and liquid salts..... 23
DRAG TURBINES. See TURBINES
DRESSLER, R. F.
 Design of corrugated diaphragms (D)..... 61
 Investigations of the properties of corrugated diaphragms..... 65
DREYER, WALTER
 Integration of steam and hydro power in Northern California..... 433
DRILLING. See METAL CUTTING
DRILLS
 Some experiments on the influence of various factors on drill performance..... 191
DROPPIN, DAVID
 Heat-transfer rates to crossflowing mercury in a staggered tube bank—I..... 899
 Natural-convection heat transfer from a horizontal cylinder rotating in air..... 741
DUBERG, J. E.
 Some NACA research on effect of transient heating on aircraft structures..... 1014
DUBOIS, G. B.
 Properties of misaligned journal bearings..... 1205
DUCTS. See FLOW OF FLUIDS, HEAT TRANSFER
DURDEN, J. C.
 Curved beams with eccentric boundaries..... 1317
DUMINIERRE, G. M.
 Mean-temperature difference in one, two, and three-pass crossflow heat exchangers (D)..... 296
 Mechanical computing device for the analysis of one-dimensional, transient, heat-conduction problems (D)..... 680
 New finite-difference technique for solution of the heat-conduction equation, especially near surfaces with convective heat transfer (D)..... 1525
 Transient air temperatures in a duct (D)..... 1541
DUST COLLECTORS
 Experimental investigation of critical design factors for vane-type cyclones..... 1715
DWYZ, POL
 Utilization of solar furnaces in high-temperature research..... 1019
DWYER, O. E.
 Heat-transfer rates to crossflowing mercury in a staggered tube bank—I..... 899
 Orifice-metering coefficients and pipe friction factors for the turbulent flow of lead-bismuth eutectic (D)..... 1083
- E**
- EDERLE, F.**
 Experimental superheater for steam at 2000 psi and 1250 F—report after 14,281 hours of operation..... 307
 Metallurgical considerations of main steam piping for high-temperature, high-pressure service (D)..... 1391
ECKERT, E. R. G.
 Experimental study of the velocity and temperature distribution in a high-velocity vortex-type flow..... 751
 Mass-transfer cooling in a laminar boundary layer with constant fluid properties..... 247
 Theoretical analysis of heat transfer in natural convection and in boiling (D)..... 1509
ECKMAN, D. P.
 Electrohydraulic servomechanism with an ultrahigh-frequency response..... 455
ECONOMICS. See EQUIPMENT REPLACEMENT
EDGE, R.
 Design of supersonic expansion nozzles and calculation of isentropic exponent for chemically reacting gases..... 1527
EDWARDS, R. A.
 Orifice-metering coefficients and pipe friction factors for the turbulent flow of lead-bismuth eutectic (D)..... 1083
EGGLESTON, G. E.
 Mean-temperature difference in one, two, and three-pass crossflow heat exchangers (D)..... 296
EICHENBERGER, L. C.
 Nonhomogeneous yielding of steel cylinders. 1—Mild steel..... 1608
EICHENBERGER, H. P.
 Pressure drop for parallel flow through rod bundles (D)..... 1757

EISENSTADT, RAYMOND Pressure drop and flow characteristics of short capillary tubes at low Reynolds numbers.....	1070
ELASTICITY Spring back of metals.....	1
ELBOWS. <i>See</i> PIPE BENDS	
ELECTRIC ANALOGY Analysis of a process-fluid-flow network by electrical analogy.....	1957
Application of an analog computer to the measurement of process dynamics.....	823
Computer representations of engineering systems involving fluid transients.....	1840
Design and analog-computer analysis of an optimum third-order nonlinear servomechanism.....	513
Design basis for cascade-type positional servomechanisms.....	1873
Dynamic performance computer for gas-turbine engines.....	1707
Electrohydraulic servomechanism with an ultrahigh-frequency response.....	455
Nonlinear analog study of a high-pressure pneumatic servomechanism.....	465
On the dynamics of pneumatic transmission lines.....	853
Representation of nonlinear functions of two input variables on analog equipment.....	489
Responses of temperature-sensing-element analogs.....	1857
Solving the melting problem using the electric analogy to heat conduction.....	759
ELECTRICITY. <i>See</i> FRICTION	
ELLIOTT, D. A. Representation of nonlinear functions of two input variables on analog equipment.....	489
ELLIOTT, DAVID Unsteady laminar boundary layer on a flat plate.....	725
ELROD, H. G., JR. New finite-difference technique for solution of the heat-conduction equation, especially near surfaces with convective heat transfer.....	1519
ELSESSER, T. M. Influence of repeated bending loads on biaxial residual stresses in shot-peened plates.....	1904
ELSTON, C. W. First commercial supercritical-pressure steam turbine—built for the Philo Plant.....	417
ENGINEER. <i>See also</i> AIRPLANE ENGINES, WEAR	
ENGINES—GAS Combustion system for spark-fired gas engines using diesel compression ratios.....	815
EQUIPMENT REPLACEMENT Practical equipment-replacement economics.....	799
ERICKSON, A. J. On the changing size spectrum of particle clouds undergoing evaporation, combustion, or acceleration.....	775
ESGAR, J. B. Research on application of cooling to gas turbines.....	645
ESTCOURT, V. F. Plant management and other factors affecting maintenance costs in steam-generating stations.....	161
EVANS, C. T., JR. Metallurgical considerations of main steam piping for high-temperature, high-pressure service (D).....	1393
EVAPORATION On the changing size spectrum of particle clouds undergoing evaporation, combustion, or acceleration.....	775
EVERETT, JOHN, JR. Analysis of a process-fluid-flow network by electrical analogy (D).....	1962
EXTRUSION. <i>See</i> METAL EXTRUSION	
EYKMAN, E. G. J. Response of temperature-sensing-element analogs (D).....	1805
EZEKIEL, F. D. Computer representations of engineering systems involving fluid transients.....	1840
On the dynamics of pneumatic transmission lines (D).....	809
Pressure-flow characteristics of pneumatic valves.....	1577

F

FADDEN, W. J., JR. New way to simplify the steam power plant.....	1115
FAIRCHILD, F. P. Eight years of experience with austenitic steel piping materials at elevated steam conditions.....	1371
FARBER, E. A. Power from solar energy (D).....	1358
FATIGUE OF MATERIALS. <i>See also</i> METAL FATIGUE	
FAX, D. H. Generalized optimal heat-exchanger design.....	653
FAZEKAR, G. A. G. Graphical shoe-brake analysis.....	1322
FEDER, M. S. Contributions to hydraulic control—7, analysis of the effects of nonlinearity in a valve-controlled hydraulic drive (D).....	432
FEEDBACK. <i>See</i> AUTOMATIC CONTROL	
FEEDWATER TREATMENT Effect of condensate reheat on mean temperature difference in feedwater heater subcooling zones.....	1494
Engineering the Eddystone plant for 5000-lb 1200-deg steam.....	1410
FELGAR, R. P. Vibration design charts.....	1459
FERNANDEZ, J. Mean-temperature difference in one, two, and three-pass crossflow heat exchangers.....	287
FETT, G. H. Résumé of the development and literature of nonlinear control-system theory (D).....	450
FIALA, S. N. First commercial supercritical-pressure steam-electric generating unit for Philo Plant.....	389
FIEDLER, G. J. Criteria for validity of lumped-parameter representation of ducting air-flow characteristics.....	833
FINDLEY, W. N. Fatigue of metals under combinations of stresses.....	1337
FINITE-DIFFERENCE METHODS. <i>See</i> MATHEMATICS	
FINNIE, I. Some studies of angle relationships in metal cutting (D).....	137
FIREY, J. C. Transient air temperatures in a duct (D).....	1541
FISHER, F. G. Investigation of causes of low wheel-to-rail adhesion and possible methods of improving it.....	377
FITZGERALD, R. C. Experimental superheater for steam at 2000 psi and 1250 F—report after 14,281 hours of operation (D).....	316
FLAMES. <i>See</i> HEAT TRANSFER	
FLEISCHMANN, W. L. Metallurgical considerations of main steam piping for high-temperature, high-pressure service (D).....	1393
FLOW OF FLUIDS. <i>See also</i> CAVITATION, COOLING SYSTEMS, FLUID METERS, HEAT TRANSFER, HYDRODYNAMICS	
Analysis of a process-fluid-flow network by electrical analogy.....	1957
Criteria for validity of lumped-parameter representation of ducting air-flow characteristics.....	833
Design study of a hydrostatic gas bearing with inherent orifice compensation.....	11
Effect of axial fluid conduction on heat transfer in the entrance regions of parallel plates and tubes.....	765
Effect of the volute on performance of a centrifugal-pump impeller.....	1057
Experimental arrangement for the measurement of the pressure distribution on high-speed rotating blade rows.....	617
Experimental study of the velocity and temperature distribution in a high-velocity vortex-type flow.....	751
Flow through annular orifices.....	593
Heat transfer in a pipe with turbulent flow and arbitrary wall-temperature distribution.....	789

FLOW OF FLUIDS (continued)

Heat transfer to laminar boundary layers with variable free-stream velocity.....	1545
Investigation of the end-wall boundary layer of a turbine-nozzle cascade.....	1801
Losses in pipe and fittings.....	1767
Noise, vibration, and measurement problems, resulting from fluid-flow disturbances.....	1043
On the adiabatic Couette flow of a compressible fluid.....	1313
Orifice-metering coefficients and pipe friction factors for the turbulent flow of lead-bismuth eutectic.....	1079
Pressure drop and air-flow distribution in gas-turbine combustors.....	1601
Pressure drop and flow characteristics of short capillary tubes at low Reynolds numbers.....	1070
Pressure drop for parallel flow through rod bundles.....	1751
Pressure-flow characteristics of pneumatic valves.....	1577
Problems encountered in the translation of compressor performance from one gas to another.....	887
Resistance coefficients for laminar and turbulent flow through one-half-inch valves and fittings.....	1759
Skewed boundary-layer flow near the end walls of a compressor cascade.....	1789
Unsteady laminar boundary layer on a flat plate.....	725
FLOWMETERS. <i>See</i> FLUID METERS	
FLUID FRICTION Heat-transfer and flow-friction characteristics of woven-screen and crossed-rod matrices.....	1558
Losses in pipe and fittings.....	1767
Pressure drop for parallel flow through rod bundles.....	1751
FLUID METERS Flow sampling and discharge measurement in geothermal bores.....	269
Fluid flow through two orifices in series, III—the parameters of metastable and stable flow of hot water.....	183
Mass flowmeter for in-flight refueling.....	1039
Orifice-metering coefficients and pipe friction factors for the turbulent flow of lead-bismuth eutectic.....	1079
FOLSOM, R. G. Jet-pump theory and performance with fluid of high viscosity (D).....	1819
FORBES, G. F. Résumé of the development and literature of nonlinear control-system theory (D).....	450
FORK TRUCKS. <i>See</i> INDUSTRIAL TRUCKS	
FOWLER, C. M. New finite-difference technique for solution of the heat-conduction equation, especially near surfaces with convective heat transfer (D).....	1525
FRACTURE. <i>See</i> STRESSES AND STRAINS	
FRANCK, C. C., SR. Eddystone superpressure unit.....	1431
FRASER, J. P. Turbulent free-convection, heat-transfer rates in a horizontal pipe.....	1185
FREUNDBERG, A. M. First commercial supercritical-pressure steam generator for Philo Plant.....	409
FREQUENCY RESPONSE. <i>See also</i> SERVOMECHANISMS	
Application of an analog computer to the measurement of process dynamics.....	823
FREUDENSTEIN, FERDINAND Application of complex geometry to relative velocities and accelerations in mechanisms (D).....	692
FREUND, G. A. Heat-transfer and flow-friction characteristics of woven-screen and crossed-rod matrices (D).....	1570
FRICTION. <i>See also</i> FLUID FRICTION	
Apparent frictional forces on clamping elements as used in the oil industry.....	1627
Electrical effects accompanying the stick-slip phenomenon of sliding of metals on plastics and lubricated surfaces.....	1963
FRIED, L. Orifice-metering coefficients and pipe friction factors for the turbulent flow of lead-bismuth eutectic.....	1079
FRIES, D. J. Testing dynamically loaded bearings—I, a short history of bearing test machines (D).....	1257
FRISECH, J. Influence of repeated bending loads on biaxial residual stresses in shot-	

- FRISCH (continued)**
 Peened plates (D)..... 1909
 Residual stresses in cold extruded aluminum..... 155
- FUELS. See also OIL FUEL**
 An effort to use a laboratory test as an index of combustion performance..... 1177
 Heat transfer by radiation from flames—a summary of the work of the International Flame Research Foundation..... 1727
- FULTON, S. D.**
 Estimating partial-load performance of large reheat turbine-generator units... 1360
- FURBY, N. W.**
 Oronite high temperature hydraulic fluids 8200 and 8515..... 1029
- FURNACES. See also SOLAR ENERGY**
- G**
- GALLOWAY, D. F.**
 Some experiments on the influence of various factors on drill performance... 191
- GARDINER, F. J.**
 Spring back of metals..... 1
- GARDNER, KARL A.**
 Effect of condensate reheat on mean temperature difference in feedwater heater subcooling zones..... 1494
- GARVEY, T. M.**
 Force relationships in the machining of low-carbon steels of different sulphur contents..... 1155
- GAS DYNAMICS. See BEARINGS**
- GAS LUBRICATION. See LUBRICATION**
- GAS TURBINES. See also POWER PLANTS—GAS-TURBINE**
 Dynamic performance computer for gas-turbine engines..... 1707
 Operating considerations in application of gas-turbine-driven, centrifugal, pipeline compressors..... 721
 Pressure drop and air-flow distribution in gas-turbine combustors..... 1601
 Research on application of cooling to gas turbines..... 645
 Seal leakage in the rotary regenerator and its effect on rotary-regenerator design for gas turbines..... 233
- GASES**
 Applications of an enthalpy-fuel/air ratio diagram to "first law" combustion problems..... 1129
 Design of supersonic expansion nozzles and calculation of isentropic exponent for chemically reacting gases..... 1527
- GATCOMBE, E. K.**
 Application of digital computers to bearing design (D)..... 1492
- GAYNOR, J.**
 Electrical effects accompanying the stick-slip phenomenon of sliding of metals on plastics and lubricated surfaces.... 1963
- GEOMETRY. See KINEMATICS**
- GEORGE, H. H.**
 Effect of internal pressure on flexibility and stress-intensification factors of curved pipe or welding elbows..... 939
- GEOTHERMAL BORES. See STEAM**
- GERARD, GEORGE**
 Thermostructural efficiencies of compression elements and materials..... 967
- GILBERT, W. W.**
 Forces and power required to turn aluminum and seven alloys..... 909
- GOERTS, R. C.**
 Methods of refueling heterogeneous nuclear reactors..... 47
- GOGLIA, M. J.**
 Mechanical computing device for the analysis of one-dimensional, transient, heat-conduction problems (D)..... 680
- GOLDIN, ROBERT**
 Design criteria for heated aircraft structures..... 980
- GOLDMAN, G. M.**
 Discussion on safety-factor requirements for supersonic aircraft structures.... 986
- GOODMAN, T. P.**
 Determination of the characteristics of multi-input and nonlinear systems from normal operating records..... 567
- GORDON, S. A.**
 Application of a new structural index to compare titanium alloys with other materials in airframe structures..... 949
- GRAHAM, DUNSTAN**
 Physical and mathematical mechanisms of instability in nonlinear automatic control systems (D)..... 564
- GRAHAM, J. D.**
 Résumé of the development and literature of nonlinear control-system theory (D)..... 450
- GRAPHICAL METHODS**
 Design of corrugated diaphragms..... 55
 Effect of internal pressure on flexibility and stress-intensification factors of curved pipe or welding elbows..... 939
 Estimating partial-load performance of large reheat turbine-generator units... 1360
 Fork-truck stability—a study in moments..... 1591
 Graphical method for the analysis of piecewise linear control systems, with particular application to relay controls..... 841
 Graphical shoe-brake analysis..... 1322
 Losses in pipe and fittings..... 1767
 Mechanical computing device for the analysis of one-dimensional, transient, heat-conduction problems..... 675
 Rate of temperature change of simple shapes..... 1742
 Vibration design charts..... 1459
- GRAVES, C. C.**
 Pressure drop and air-flow distribution in gas-turbine combustors..... 1601
- GRIMBLE, R. E.**
 Pressure drop for parallel flow through rod bundles..... 1751
- GRINDING**
 Influence of grinding fluids upon residual stresses in hardened steel..... 149
- GRINNELL, S. K.**
 Design study of a hydrostatic gas bearing with inherent orifice compensation..... 11
- GRODMAN, J. S.**
 Pressure drop and air-flow distribution in gas-turbine combustors..... 1601
- GROGAN, E. C.**
 On the dynamics of pneumatic transmission lines..... 853
- GROSH, R. J.**
 Heat-transfer rates to crossflowing mercury in a staggered tube bank—I (D)... 905
- GURNEY, W. B.**
 Information center with automatic logger and scanner—Neches Power Station, Gulf States Utilities Company... 1652
- H**
- HANN, R. S.**
 Some experiments on the influence of various factors on drill performance (D)..... 225
- HALL, A. S., JR.**
 Application of complex geometry to relative velocities and accelerations in mechanisms (D)..... 692
 Kinematic analysis and synthesis using collineation-axis equations (D)..... 1312
- HAMRICK, J. T.**
 Problems encountered in the translation of compressor performance from one gas to another (D)..... 897
- HANDIN, JOHN**
 Strength characteristics of rock samples under hydrostatic pressure (D)..... 706
- HARINGK, J. A.**
 Design of corrugated diaphragms..... 55
 Investigations of the properties of corrugated diaphragms (D)..... 81
- HARLOW, J. H.**
 Engineering the Eddystone plant for 5000-lb 1200-deg steam..... 1410
- HARPER, D. B.**
 Seal leakage in the rotary regenerator and its effect on rotary-regenerator design for gas turbines..... 233
- HARRIS, G. T.**
 Metallurgical considerations of main steam piping for high-temperature, high-pressure service (D)..... 1393
- HARTMANN, M. J.**
 Problems encountered in the translation of compressor performance from one gas to another..... 887
- HARTNER, H. E.**
 Force relationships in the machining of low-carbon steels of different sulphur contents..... 1155
- HARTNETT, J. P.**
 Experimental studies of free convection heat transfer in a vertical tube with uniform wall heat flux..... 1551
 Experimental study of the velocity and temperature distribution in a high-velocity vortex-type flow..... 751
- HARTNETT (continued)**
 Mass-transfer cooling in a laminar boundary layer with constant fluid properties..... 247
 Orifice-metering coefficients and pipe friction factors for the turbulent flow of lead-bismuth eutectic..... 1079
- HAWKINS, G. A.**
 Mechanical computing device for the analysis of one-dimensional, transient, heat-conduction problems..... 675
- HAYASHI, CHIHIRO**
 Nonlinear phenomena (D)..... 443
- HEAT-EXCHANGE EQUIPMENT**
 Effect of condensate reheat on mean temperature difference in feedwater heater subcooling zones..... 1494
 Flow through annular orifices..... 593
 Generalized optimal heat-exchanger design..... 653
 Mean-temperature difference in one, two, and three-pass crossflow heat exchangers..... 287
 New way to simplify the steam power plant..... 1115
 Seal leakage in the rotary regenerator and its effect on rotary-regenerator design for gas turbines..... 233
- HEAT TRANSFER. See also BEARINGS, THERMAL STRESSES**
 Convection phenomena in fluids heated from below..... 299
 Determination of thermal conductivities of metals by measuring transient temperatures in semi-infinite solids..... 1197
 Effect of axial fluid conduction on heat transfer in the entrance regions of parallel plates and tubes..... 765
 Experimental studies of free convection heat transfer in a vertical tube with uniform wall heat flux..... 1551
 Fuel elements for nuclear reactors..... 29
 Heat-transfer and flow friction characteristics of woven-screen and crossed-rod matrices..... 1558
 Heat transfer by radiation from flames—a summary of the work of the International Flame Research Foundation... 1727
 Heat transfer in a pipe with turbulent flow and arbitrary wall-temperature distribution..... 789
 Heat-transfer rates to crossflowing mercury in a staggered tube bank—I..... 899
 Heat transfer to laminar boundary layers with variable free-stream velocity..... 1545
 Heat transfer to lead-bismuth in turbulent flow in an annulus..... 1514
 Mass-transfer cooling in a laminar boundary layer with constant fluid properties..... 247
 Mechanical computing device for the analysis of one-dimensional, transient, heat-conduction problems..... 675
 Natural-convection heat transfer from a horizontal cylinder rotating in air..... 741
 New finite-difference technique for solution of the heat-conduction equation, especially near surfaces with convective heat transfer..... 1519
 Rate of temperature change of simple shapes..... 1742
 Solving the melting problem using the electric analogy to heat conduction... 759
 Specific heats of liquid metals and liquid salts..... 23
 Temperature and velocity distribution and transfer of heat in a liquid metal... 279
 Tests of free convection in a partially enclosed space between two heated vertical plates..... 663
 Theoretical analysis of heat transfer in natural convection and in boiling..... 1501
 Transient air temperatures in a duct... 1536
 Turbulent free-convection, heat-transfer rates in a horizontal pipe..... 1185
- HEGETSCHWEILER, H.**
 Estimating partial-load performance of large reheat turbine-generator units (D)..... 1368
 Predicting performance of large steam turbine-generator units for central stations..... 1085
- HEIBLER, M. P.**
 Rate of temperature change of simple shapes (D)..... 1748
- HENDRICKSON, G. A.**
 Estimating partial-load performance of large reheat turbine-generator units (D)..... 1368
- HERSEY, M. D.**
 Recent research on flat diaphragms and circular plates with particular reference to instrument applications (D)... 87
 Testing dynamically loaded bearings

- HERBEY (continued)**
 I, a short history of bearing test machines..... 1247
 II, a diesel-engine bearing test machine..... 1260
 Universal bearing tester (D)..... 1274
- HESELSCHEWERT, A. L., JR.**
 Instrumenting a field study of industrial water-cooling tower performance (D)..... 1683
- HICKEL, R. O.**
 Research on application of cooling to gas turbines..... 645
- HIGGINS, T. J.**
 Optimum nonlinear control (D)..... 545
 Résumé of the development and literature of nonlinear control-system theory..... 445
- HIGH-FREQUENCY HEATING**
 How RF concerns the wood industry..... 603
- HIGH-TEMPERATURE MATERIALS. See also STEEL ALLOYS**
 Oronite high temperature hydraulic fluids 8200 and 8515..... 1029
- HIGH-TEMPERATURE RESEARCH**
 Utilization of solar furnaces in high-temperature research..... 1019
- HINKLE, R. T.**
 Application of complex geometry to relative velocities and accelerations in mechanisms (D)..... 693
- HIRST, W.**
 Statistical analysis of a wear process (A)..... 1246
- HISTORY. See also TESTING MACHINES**
 Power from solar energy..... 1349
- HLINKA, J. W.**
 Rate of temperature change of simple shapes..... 1742
- HOE, R. J.**
 Heat-transfer rates to crossflowing mercury in a staggered tube bank—I..... 899
- HOKE, J. H.**
 Experimental superheater for steam at 2000 psi and 1250 F—report after 14-281 hours of operation..... 307
- HOLVENSTOT, C. E.**
 Future developments of the high-speed diesel engine (D)..... 1950
- HOPKINS, W. E.**
 Predicting performance of large steam turbine-generator units for central stations (D)..... 1113
- HORGAN, J. D.**
 Résumé of the development and literature of nonlinear control-system theory (D)..... 450
- HOWARTH, E. S.**
 Forces and power required to turn aluminum and seven alloys (D)..... 914
- HOWLAND, W. E.**
 Mechanical computing device for the analysis of one-dimensional, transient, heat-conduction problems..... 675
- Hsu, S. T.**
 Determination of thermal conductivities of metals by measuring transient temperatures in semi-infinite solids..... 1197
- HUGHES, W. F.**
 Heat-transfer effects in hydrostatic thrust-bearing lubrication..... 1225
 On the adiabatic Couette flow of a compressible fluid..... 1313
- HUNTER, A. T.**
 First commercial supercritical-pressure steam-electric generating unit for Philo Plant (D)..... 406
- HUNTING. See SERVOMECHANISMS**
- HUBA, H. W.**
 Cutting-fluid evaluation..... 1172
- HUBMANN, A. W.**
 Combustion system for spark-fired gas engines using diesel compression ratios (D)..... 821
 Future developments of the high-speed diesel engine (D)..... 1951
- HUTCHISON, D. H.**
 Instrumenting a field study of industrial water-cooling tower performance (D)..... 1683
- HYDRAULIC CONTROL. See HYDRAULIC DRIVES, VALVES**
- HYDRAULIC DRIVES. See also AIRPLANE HYDRAULIC SYSTEMS**
 Contributions to hydraulic control—7, analysis of the effects of nonlinearity in a valve-controlled hydraulic drive..... 427
- HYDRAULIC FLUIDS**
 Oronite high temperature hydraulic fluids 8200 and 8515..... 1029
- HYDRAULICS**
 Computer representations of engineering systems involving fluid transients..... 1840
- HYDRODYNAMICS. See also BEARINGS, LUBRICATION**
 Compensation of steady-state flow forces in spool-type hydraulic valves..... 1784
 Drag-turbine performance..... 1291
 Experimental study of centrifugal-pump impellers..... 1821
- HYDROSTATIC TESTING**
 Strength characteristics of rock samples under hydrostatic pressure..... 695
- I**
- ISERALL, A. S.**
 On the dynamics of pneumatic transmission lines (D)..... 869
- IGNITION. See JET IGNITION**
- IMPELLERS**
 Effect of the volute on performance of a centrifugal-pump impeller..... 1057
 Experimental study of centrifugal-pump impellers..... 1821
- INDUSTRIAL FURNACES**
 Heat transfer by radiation from flames—a summary of the work of the International Flame Research Foundation..... 1727
- INDUSTRIAL TRUCKS**
 Fork-truck stability—a study in moments..... 1591
- INERTIA DAMPER. See SERVOMECHANISMS**
- INERTIAL NAVIGATION**
 Measurement and integration of acceleration in inertial navigation..... 1571
- INSTRUMENTS**
 Information center with automatic logger and scanner—Neches Power Station, Gulf States Utilities Company..... 1652
 Instrumentation for steam-consumption tests on medium steam turbine-generator sets..... 357
 Instrumenting a field study of industrial water-cooling tower performance..... 1679
 Measurement and integration of acceleration in inertial navigation..... 1571
 Procedures for testing large steam turbine-generators in central stations..... 385
 Recent research on flat diaphragms and circular plates with particular reference to instrument applications..... 83
- INSTRUMENTS—PRESSURE. See also DIAPHRAGMS**
 Experimental arrangement for the measurement of the pressure distribution on high-speed rotating blade rows..... 617
- INSTRUMENTS—TEMPERATURE**
 Determination of thermal conductivities of metals by measuring transient temperatures in semi-infinite solids..... 1197
 Estimation of temperature patterns in multiply-shielded systems..... 1722
 Method for presenting the response of temperature-measuring systems..... 1851
 Response of temperature-sensing-element analogs..... 1857
 Transient air temperatures in a duct..... 1536
- INVENTORIES**
 Applying linear programming to inventory planning in a seasonal market—a case study..... 800
- IRWIN, L. K.**
 Delayed-yield time effects in mild steel under oscillatory axial loads (D)..... 1625
- ISAWA, KEISUKE**
 Signal stabilization of a control system (D)..... 1871
- J**
- JACKSON, L. R.**
 Application of a new structural index to compare titanium alloys with other materials in airframe structures..... 940
- JACKSON, R. L.**
 Importance of matching steam temperatures with metal temperatures during starting of large steam turbines..... 1669
- JAY, R. D.**
 Fork-truck stability—a study in moments..... 1591
- JENKINS, A. E.**
 Heat transfer to lead-bismuth in turbulent flow in an annulus (D)..... 1517
- JENSEN, L. K.**
 Fork-truck stability—a study in moments (D)..... 1598
- JET ENGINE. See GAS TURBINES**
- JET IGNITION**
 Combustion systems for spark-fired gas engines using diesel compression ratios..... 815
- JOHNSON, H. A.**
 Orifice-metering coefficients and pipe friction factors for the turbulent flow of lead-bismuth eutectic..... 1079
- JOHNSON, H. M.**
 Effect of cold work on elevated temperature properties of types 301, 306, and 310 stainless steels..... 921
- JOHNSON, K. E.**
 Cooling towers for steam-electric stations—selection and performance experience (D)..... 1695
- JONES, M. H.**
 Creep damage in a Cr-Mo-V steel as measured by retained stress rupture properties..... 117
- JONES, S. B.**
 Comparative machinability of B1113-C1213—C1120HR—C1120CD and C1119 steels (D)..... 919
- JORDAN, T. F.**
 Some studies of angle relationships in metal cutting..... 127
- JOSEPH, H. H.**
 Pressure-flow characteristics of pneumatic valves (D)..... 1586
- JURSKIE, J.**
 Dual-mode damper-stabilized servo..... 473
- K**
- KAISER, J. F.**
 Dual-mode damper-stabilized servo..... 473
- KALMAN, R. E.**
 Physical and mathematical mechanisms of instability in nonlinear automatic control systems..... 553
- KATZ, ISRAEL**
 Future developments of the high-speed diesel engine (D)..... 1952
- KATYAN, C. F.**
 Analysis of a process-fluid-flow network by electrical analogy..... 1957
- KELLER, CURT**
 Operating experience and design features of closed-cycle gas-turbine power plants..... 627
- KELLER, G. R.**
 Oronite high temperature hydraulic fluids 8200 and 8515 (D)..... 1036
- KEMENY, G. A.**
 Effect of ambient and fuel pressure on nozzle spray angle..... 607
- KENNEDY, R. G.**
 Some experiments on the influence of various factors on drill performance (D)..... 224
- KERR, S. L.**
 Computer representations of engineering systems involving fluid transients (D)..... 1849
- KESSLER, G. W.**
 Engineering the Eddystone steam generator for 5000-psig, 1200-F steam (D)..... 1457
- KIMBALL, D. E.**
 Instrumentation for steam-consumption tests on medium steam turbine-generator sets..... 357
- KINDERMAN, W. J.**
 Fluid flow through two orifices in series, III—the parameters of metastable and stable flow of hot water..... 183
- KINEMATICS**
 Application of complex geometry to relative velocities and accelerations in mechanisms..... 687
 Kinematic analysis and synthesis using collineation-axis equations..... 1305
- KINERBACH, R. B.**
 Apparent frictional forces on clamping elements as used in the oil industry (D)..... 1635
- KITTREDGE, C. P.**
 Resistance coefficients for laminar and turbulent flow through one-half-inch valves and fittings..... 1759
- KLIVEN, P. S.**
 Oronite high temperature hydraulic fluids 8200 and 8515 (D)..... 1036
- KLINE, S. J.**
 Practical application of uncertainty calculations to measured data (D)..... 375

- KLOTTER, KARL
How to obtain describing functions for nonlinear feedback systems..... 509
Nonlinear phenomena (D)..... 443
Physical and mathematical mechanisms of instability in nonlinear automatic control systems (D)..... 564
Vibration design charts (D)..... 1475
- KOLLMANN, KARL
Testing dynamically loaded bearings—I a short history of bearing test machines (D)..... 1257
- KRAFT, HANS
Investigation of the end-wall boundary layer of a turbine-nozzle cascade (D)..... 1805
- KRATZ, E. M.
Procedures for testing large steam turbine-generators in central stations..... 365
- KRIBBLE, L. F.
Predominant-peak surface roughness, a criterion for minimum hydrodynamic oil-film thickness of short journal bearings..... 1235
Properties of misaligned journal bearings (D)..... 1211
- KREITH, FRANK
Pressure drop and flow characteristics of short capillary tubes at low Reynolds numbers..... 1070
Tests of free convection in a partially enclosed space between two heated vertical plates (D)..... 670
- KRIEG, E. H.
Predicting performance of large steam turbine-generator units for central stations (D)..... 1113
- KRONAUER, R. E.
Skewed boundary-layer flow near the end walls of a compressor cascade (D)..... 1797
- KRONENBERG, M.
On the drilling of metals 2—the torque and thrust in drilling (D)..... 147
- KU, Y. H.
Phase-space method for analysis of nonlinear control systems..... 1897
Résumé of the development and literature of nonlinear control-system theory (D)..... 451
- KUBA, R. E.
Résumé of the development and literature of nonlinear control-system theory (D)..... 451
- KUEHN, F. W.
Importance of matching steam temperatures with metal temperatures during starting of large steam turbines (D)..... 1675
- KULJIAN, H. A.
New way to simplify the steam power plant..... 1115
- L**
- LANDIS, F.
Mean-temperature difference in one, two, and three-pass crossflow heat exchangers (D)..... 296
- LANKFORD, W. T.
Force relationships in the machining of low-carbon steels of different sulphur contents..... 1155
- LANKRON, ROLF W.
Résumé of the development and literature of nonlinear control-system theory (D)..... 451
- LAPPING. *See* METAL FINISHING
- LARINOFF, M. W.
Cooling towers for steam-electric stations—selection and performance experiences..... 1685
- LARROWE, V. L.
Dynamic performance computer for gas-turbine engines..... 1707
- LARSON, R. F.
Theoretical analysis of heat transfer in natural convection and in boiling (D)..... 1510
- LEAD-BISMUTH. *See* FLOW OF FLUIDS, HEAT TRANSFER
- LEADED STEEL. *See* METAL CUTTING
- LEE S.-Y.
Compensation of steady state flow forces in spool-type hydraulic valves (D)..... 1788
- LEES, SIDNEY
Design basis for cascade-type positional servomechanisms..... 1873
- LEIST, K.
Experimental arrangement for the measurement of the pressure distribution on high-speed rotating blade rows..... 617
- LENA, A. J.
Effect of cold work on elevated-temperature properties of types 301, 305, and 310 stainless steels..... 921
- LEQUEAR, H. A.
Certain departures from plastic ideality at small strains..... 97
- LESTER, JOSEPH T., JR.
Two applications of a digital computer to machine-design problems..... 1476
- LETNER, H. R.
Influence of grinding fluids upon residual stresses in hardened steel..... 149
- LE TOUANEAU, B. W.
Pressure drop for parallel flow through rod bundles..... 1751
- LEWIS, T. G., JR.
Ultrafinishing—a new high-precision lapping process..... 1699
- LI, Y. T.
Experiments with optimizing controls applied to rapid control of engine pressures with high-amplitude noise signals (D)..... 487
- LINEAR PROGRAMMING. *See* INVENTORIES
- LINKAGES. *See* MECHANISMS
- LINNARD, R. E.
Prevention of destructive engine failure by spectrographic analysis of crankcase oils..... 709
- LINNERT, G. E.
Metallurgical considerations of main steam piping for high-temperature, high-pressure service (D)..... 1395
- LIQUID METALS. *See* FLOW OF FLUIDS, HEAT TRANSFER, MERCURY
- LIQUIDS
Specific heats of liquid metals and liquid salts..... 23
- LIVINGOOD, J. N. B.
Research on application of cooling to gas turbines..... 645
- LIVINGSTON, R. G.
New automatic dispatching system at Kansas City (D)..... 1668
- LLOYD, E. C.
Investigations of the properties of corrugated diaphragms..... 65
- LOCOMOTIVES. *See* ADHESION (RAIL)
- LOWEN, E. G.
Influence of lead on metal-cutting forces and temperatures..... 1143
Loaded steel and the real area of contact in metal cutting..... 1165
- LOGGING. *See* AUTOMATIC CONTROL, POWER PLANTS—STEAM
- LONDON, A. L.
Heat-transfer and flow-fraction characteristics of woven-screen and crossed-rod matrices..... 1558
- LOONEY, ROBERT
Method for presenting the response of temperature-measuring systems..... 1851
- LOURECKY, P. J.
Design and development of a two-cycle turbocharged diesel engine..... 1920
- LUBAHN, J. D.
Certain departures from plastic ideality at small strains..... 97
On the applicability of notch tensile test data to strength criteria in engineering design..... 111
- LUBARSKY, B.
Heat transfer to lead-bismuth in turbulent flow in an annulus (D)..... 1517
- LUBRICANTS AND LUBRICATION. *See* BEARINGS
- BEARINGS
Electrical effects accompanying the stick-slip phenomenon of sliding of metals on plastics and lubricated surfaces..... 1963
Fluid dynamic theory of gas-lubricated bearings..... 1218
Heat-transfer effects in hydrostatic thrust-bearing lubrication..... 1225
On the adiabatic Couette flow of a compressible fluid..... 1313
On the theory of grease-lubricated thrust bearings..... 1229
Predominant-peak surface roughness, a criterion for minimum hydrodynamic oil-film thickness of short journal bearings..... 1235
Prevention of destructive engine failure by spectrographic analysis of crankcase oils..... 709
Temperature distribution in the journal-bearing lubricant film..... 343
- LUDEKE, C. A.
Nonlinear phenomena..... 439
- LULA, R. A.
Effect of cold work on elevated-temperature properties of types 301, 305, and 310 stainless steels..... 921
- M**
- MCCARTHY, W. J., JR.
Safeguard features of a fast-breeder-reactor power plant..... 41
- MCCLEURE, J. B.
New automatic dispatching system at Kansas City (D)..... 1668
- MCDOWELL, D. W., JR.
High-temperature corrosion of alloys exposed in the superheater of an oil-fired boiler..... 319
- MACDUFF, J. N.
Vibration design charts..... 1450
- MACHINABILITY. *See* METAL CUTTING
- MACHINE DESIGN. *See* also MECHANISMS
On the applicability of notch tensile test data to strength criteria in engineering design..... 111
- MACHINE TOOLS. *See* DRILLS
- MACHINING. *See* METAL CUTTING
- MACMILLAN, R. H.
Graphical method for the analysis of piecewise linear control systems, with particular application to relay controls..... 841
- MAGER, ARTHUR
Skewed boundary-layer flow near the end walls of a compressor cascade (D)..... 1797
- MAGNINIS, F. J.
Application of digital computers to bearing design..... 1483
- MAINTENANCE
Maintenance factors affecting production costs..... 173
Plant management and other factors affecting maintenance costs in steam-generating stations..... 161
- MANAGEMENT. *See* COST ANALYSIS, EQUIPMENT REPLACEMENT, INVENTORIES, MAINTENANCE
- MANJOINE, M. J.
Creep characteristics of type 347 stainless steel at 1050 and 1100 F in tension and compression..... 1921
Creep damage in a Cr-Mo-V steel as measured by retained stress rupture properties (D)..... 125
On the applicability of notch tensile test data to strength criteria in engineering design (D)..... 115
- MANN, J. W.
How RF concerns the wood industry..... 603
- MANUFACTURING. *See* also EQUIPMENT
REPLACEMENT
Applying linear programming to inventory planning in a seasonal market—a case study..... 809
- MAR, J. W.
Some structural penalties associated with thermal flight..... 990
- MARCO, S. M.
Effects of complex stress-time cycles on the fatigue properties of metals..... 1329
- MARKE, A. R. C.
Investigation of thermal-stress fatigue as related to high-temperature piping flexibility (D)..... 1649
Losses in pipe and fittings (D)..... 1781
Resistance coefficients for laminar and turbulent flow through one-half-inch valves and fittings (D)..... 1765
- MARTIN, G. H.
Application of complex geometry to relative velocities and accelerations in mechanisms..... 687
- MATERIALS HANDLING. *See* also INDUSTRIAL TRUCKS
Methods of refueling heterogeneous nuclear reactors..... 47
- MATHEMATICS. *See* also ELECTRIC ANALOGY, GRAPHICAL METHODS, NONLINEAR SYSTEMS
Criteria for validity of lumped-parameter representation of ducting air-flow characteristics..... 833
Design basis for cascade-type positional servomechanisms..... 1873
Generalized optimal heat-exchanger design..... 653
Investigations of the properties of corrugated diaphragms..... 65
New finite-difference technique for solution of the heat-conduction equation,

- MATHEMATICS (continued)**
 especially near surfaces with convective heat transfer..... 1519
 Practical application of uncertainty calculations to measured data..... 373
- MATRIXES. See SCREENS**
- MAUSTELLER, J. W.**
 Heat-transfer rates to crossflowing mercury in a staggered tube bank—1 (D)..... 906
- MAYER, E.**
 Estimation of temperature patterns in multiply-shielded systems..... 1722
- MAYERS, M. A.**
 An effort to use a laboratory test as an index of combustion performance (D)..... 1183
 Heat transfer by radiation from flames—a summary of the work of the International Flame Research Foundation (D)..... 1739
- McLAIN, STUART**
 Methods of refueling heterogeneous nuclear reactors..... 47
- McMATH, F. C.**
 Safeguard features of a fast-breeder-reactor power plant..... 41
- McMILLAN, J.**
 Method for presenting the response of temperature-measuring systems (D)..... 1855
 Responses of temperature-sensing-element analogs (D)..... 1866
- MECHANICS**
 Nonlinear phenomena..... 439
- MECHANISMS**
 Application of complex geometry to relative velocities and accelerations in mechanisms..... 687
 Kinematic analysis and synthesis using collineation-axis equations..... 1305
 Two applications of a digital computer to machine-design problems..... 1476
- MELLOR, G. L.**
 Skewed boundary-layer flow near the end walls of a compressor cascade (D)..... 1798
- MELTING. See ELECTRIC ANALOGY, HEAT TRANSFER**
- MERCURY**
 Heat-transfer rates to crossflowing mercury in a staggered tube bank—1..... 809
 Temperature and velocity distribution and transfer of heat in a liquid metal..... 279
- METAL CREEP**
 Certain departures from plastic ideality at small strains..... 97
 Creep damage in a Cr-Mo-V steel as measured by retained stress rupture properties..... 117
 Nonhomogeneous yielding of steel cylinders, 1—mild steel..... 1608
- METAL CUTTING. See also GRINDING**
 Comparative machinability of B1113—C1213—C1120 HR—C1120 CD and C1119 steels..... 915
 Cutting-fluid evaluation..... 1172
 Force relationships in the machining of low carbon steels of different sulphur contents..... 1155
 Forces and power required to turn aluminum and seven alloys..... 909
 Influence of lead on metal-cutting forces and temperatures..... 1143
 Lead steel and the real area of contact in metal cutting..... 1105
 On the drilling of metals, 2—the torque and thrust in drilling..... 139
 Some experiments on the influence of various factors on drill performance..... 191
 Some studies of angle relationships in metal cutting..... 127
- METAL EXTRUSION**
 Residual stresses in cold extruded aluminum..... 155
- METAL FATIGUE. See also METAL TESTING—FATIGUE**
 Effect of surface finish on the fatigue strength of titanium alloys RC 130B and Ti 140A..... 89
- METAL FINISHING**
 Ultrafinishing—a new high-precision lapping process..... 1099
- METAL FORMING**
 Spring back of metals..... 1
- METAL ROLLING**
 Effect of cold work on elevated-temperature properties of types 301, 305, and 310 stainless steels..... 921
- METAL TESTING**
 Creep damage in a Cr-Mo-V steel as measured by retained stress rupture properties..... 117
 Delayed-yield time effects in mild steel under oscillatory axial loads..... 1619
- METAL TESTING (continued)**
 Experimental superheater for steam at 2000 psi and 1250 F—report after 14,281 hours of operation..... 307
 Nonhomogeneous yielding of steel cylinders, 1—mild steel..... 1608
- METAL TESTING—COMBINED-STRESS**
 Flow and fracture of nodular cast iron..... 1911
- METAL TESTING—COMPRESSION**
 Application of a new structural index to compare titanium alloys with other materials in airframe structures..... 949
 Thermostructural efficiencies of compression elements and materials..... 967
- METAL TESTING—CREEP**
 Certain departures from plastic ideality at small strains..... 97
 Creep characteristics of type 347 stainless steel at 1050 and 1100 F in tension and compression..... 1921
- METAL TESTING—FATIGUE**
 Effect of complex stress-time cycles on the fatigue properties of metals..... 1329
 Fatigue of metals under combinations of stresses..... 1337
 Investigation of thermal-stress fatigue as related to high-temperature piping flexibility..... 1637
- METAL TESTING—TENSION**
 On the applicability of notch tensile test data to strength criteria in engineering design..... 111
- METALLURGY. See also STEEL ALLOYS**
 Creep characteristics of type 347 stainless steel at 1050 and 1100 F in tension and compression..... 1921
 Experimental superheater for steam at 2000 psi and 1250 F—report after 14,281 hours of operation..... 307
 High-temperature corrosion of alloys exposed in the superheater of an oil-fired boiler..... 319
- METALS. See also LIQUIDS**
 Determination of thermal conductivities of metals by measuring transient temperatures in semi-infinite solids..... 343
- MEYER, W. E.**
 Temperature distribution in the journal bearing lubricant film..... 343
- MILLER, H. A.**
 Nonlinear integral compensation of a velocity-lag servomechanism with backlash..... 585
- MILLER, R. R.**
 Orifice-metering coefficients and pipe friction factors for the turbulent flow of lead-bismuth eutectic (D)..... 1083
- MILLER, RALPH**
 Design and development of a two-cycle turbocharged diesel engine (D)..... 1939
 Future developments of the high-speed diesel engine (D)..... 1953
- MILLS, R. R., JR.**
 Generalized optimal heat-exchanger design..... 653
- MIN, T. C.**
 Experimental studies of free convection heat transfer in a vertical tube with uniform wall heat flux (D)..... 1556
- MINORSKY, N.**
 Résumé of the development and literature of nonlinear control-system theory (D)..... 451
- MITCHELL, S. W. W.**
 Predicting performance of large steam turbine-generator units for central stations (D)..... 1113
- MIXING**
 Use of nonlinear valve characteristics in the control of a simple blending process..... 329
- MODELS**
 Design study of a hydrostatic gas bearing with inherent orifice compensation..... 11
- MOFFETT, D. W.**
 Applying linear programming to inventory planning in a seasonal market—a case study..... 809
- MOLLIER DIAGRAM. See THERMODYNAMICS**
- MOMENTS. See APPLIED MECHANICS**
- MOORE, D. H.**
 Résumé of the development and literature of nonlinear control-system theory (D)..... 452
- MOORE, R. W., JR.**
 Skewed boundary-layer flow near the end walls of a compressor cascade..... 1789
- MORETON, D. H.**
 Oronite high temperature hydraulic fluids 8200 and 8515 (D)..... 1037
- MORGAN, D. W. R., JR.**
 Estimating partial-load performance of large reheat turbine-generator units..... 1360
- MOSEN, E. I.**
 Apparent frictional forces on clamping elements as used in the oil industry..... 1627
- MUELLER, E. L.**
 New automatic dispatching system at Kansas City..... 1663
- MURPHY, G. J.**
 Résumé of the development and literature of nonlinear control-system theory (D)..... 452
- MURPHY, J. J.**
 Investigation of thermal-stress fatigue as related to high-temperature piping flexibility (D)..... 1650
- MUZZEY, C.**
 Nonlinear analog study of a high-pressure pneumatic servomechanism (D)..... 472
- MYER, C. F.**
 Analysis and design of a servomotor operating on high-pressure compressed gas (D)..... 583

N

- NACHTMAN, E. S.**
 Force relationships in the machining of low-carbon steels of different sulphur contents (D)..... 1164
 Influence of lead on metal-cutting forces and temperatures (D)..... 1153
 Lead steel and the real area of contact in metal cutting (D)..... 1171
- NATURAL-GAS PIPELINES. See also COMPRESSORS**
- NEWCOMB, W. K.**
 Combustion system for spark-fired gas engines using diesel compression ratios (D)..... 821
- NEWMAN, D. P.**
 Creep damage in a Cr-Mo-V steel as measured by retained stress rupture properties..... 117
- NEW ZEALAND**
 Flow sampling and discharge measurement in geothermal bores..... 269
 New Zealand thermal area and its development for power production..... 255
- NICHOLS, N. B.**
 Nonlinear integral compensation of a velocity-lag servomechanism with backlash..... 585
 Use of nonlinear valve characteristics in the control of a simple blending process (D)..... 336
- NODULAR IRON. See CAST IRON**
- NOISE. See ACOUSTICS**
- NONLINEAR SYSTEMS**
 Basic methods for nonlinear control-system analysis..... 497
 Contributions to hydraulic control—7, analysis of the effects of nonlinearity in a valve-controlled hydraulic drive..... 427
 Design and analog-computer analysis of an optimum third-order nonlinear servomechanism..... 513
 Determination of the characteristics of multi-input and nonlinear systems from normal operating records..... 567
 How to obtain describing functions for nonlinear feedback systems..... 509
 Nonlinear analog study of a high-pressure pneumatic servomechanism..... 465
 Nonlinear integral compensation of a velocity-lag servomechanism with backlash..... 585
 Nonlinear phenomena..... 439
 On the analysis of linear and nonlinear systems..... 547
 Optimum nonlinear control..... 527
 Phase-space method for analysis of nonlinear control systems..... 1897
 Physical and mathematical mechanisms of instability in nonlinear automatic control systems..... 553
 Representation of nonlinear functions of two input variables on analog equipment..... 489
 Résumé of the development and literature of nonlinear control-system theory..... 445
- NORRIS, R. H.**
 Tests of free convection in a partially enclosed space between two heated vertical plates..... 663
- NOTTAGE, H. B.**
 New Zealand thermal area and its development for power production (D)..... 268

- NOWAK, M. J.
Optimum nonlinear control (D)..... 542
- NOZZLES
Design of supersonic expansion nozzles and calculation of isentropic exponent for chemically reacting gases..... 1527
Effect of ambient and fuel pressure on nozzle spray angle..... 607
Investigation of the end-wall boundary layer of a turbine-nozzle cascade..... 1801

O

- OAKLEY, D. J.
Turbulent free-convection, heat-transfer rates in a horizontal pipe..... 1185
- OBERHUBER, W. F.
Maintenance factors affecting production costs..... 173
- OCTYK, F. W.
Properties of misaligned journal bearings..... 1205
- OIL FUEL
Effect of ambient and fuel pressure on nozzle spray angle..... 607
- OLDENBURGER, RUFUS
Design and analog-computer analysis of an optimum third-order nonlinear servomechanism (D)..... 523
Dual-mode damper-stabilized servo (D)..... 527
Optimum nonlinear control..... 527
Signal stabilization of a control system..... 1869
- O'REILLY, JOHN
Plant management and other factors affecting maintenance costs in steam-generating stations (D)..... 171
- ORIFICES. *See* FLOW OF FLUIDS, FLUID METERS
- ORNING, A. A.
An effort to use a laboratory test as an index of combustion performance (D)..... 1183
- OSCILLATION. *See* METAL TESTING
- OSTERLE, J. F.
Fluid-dynamic theory of gas-lubricated bearings (D)..... 1223
Heat-transfer effects in hydrostatic thrust-bearing lubrication..... 1225
On the adiabatic Couette flow of a compressible fluid..... 1313
Spring-supported thrust bearing..... 351
- OSTRACH, SIMON
Convection phenomena in fluids heated from below..... 299
- OTIS, D. R.
Solving the melting problem using the electric analogy to heat conduction..... 759
- OXFORD, C. J., JR.
On the drilling of metals, 2—the torque and thrust in drilling..... 139
Some experiments on the influence of various factors on drill performance (D)..... 225
- ÖZDAR, M. N.
Testing dynamic fly loaded bearings—I, a short history of bearing test machines (D)..... 1257

P

- PANACE, J. Y.
Estimating partial-load performance of large reheat turbine-generator units (D)..... 1369
- PARTICLES. *See* SPRAYS
- PATRIDGE, E. P.
Engineering the Eddystone steam generator for 5000-psig, 1200-F steam (D)..... 1457
First commercial supercritical-pressure steam-electric generating unit for Philo Plant (D)..... 406
- PASCHKE, VICTOR
Rate of temperature change of simple shapes..... 1742
- PASLEY, P. R.
On the theory of grease-lubricated thrust bearings..... 1229
- PATYNER, H. M.
Computer representations of engineering systems involving fluid transients..... 1840
Method for presenting the response of temperature-measuring systems (D)..... 1855
Responses of temperature-sensing-element analogs (D)..... 1865
Transient air temperatures in a duct (D)..... 1541
- PEELER, R. L.
Oronite high temperature hydraulic fluids 8200 and 8515..... 1029

- PEACE, G. V.
Pressure-flow characteristics of pneumatic valves (D)..... 1587
- PETROLEUM REFINING
Materials aspect of some high-temperature, refinery-piping applications..... 715
- PETROLEUM-WELL EQUIPMENT
Apparent frictional forces on clamping elements as used in the oil industry..... 1627
- PHOTOELASTICITY
Curved beams with eccentric boundaries..... 1317
- PHYSIOLOGY
Description and prediction of human response to aircraft thermal environments..... 1024
- PIGOTT, R. J. S.
Losses in pipe and fittings..... 1767
Resistance coefficients for laminar and turbulent flow through one-half-inch valves and fittings (D)..... 1765
Universal bearing tester..... 1267
- PINKUS, O.
Analysis of journal bearings with arbitrary load vector..... 1213
Maximum temperature profile in journal bearings..... 337
Temperature distribution in the journal-bearing lubricant film (D)..... 349
- PINSLEY, E. A.
Skewed boundary-layer flow near the end walls of a compressor cascade (D)..... 1799
- PIPE AND PIPING
Austenitic steels in high-temperature steam piping..... 1398
Eight years of experience with austenitic steel piping materials at elevated steam conditions..... 1371
Materials aspect of some high-temperature, refinery-piping applications..... 715
Metalurgical considerations of main steam piping for high-temperature, high-pressure service..... 1377
- PIPE BENDS
Effect of internal pressure on flexibility and stress-intensification factors of curved pipe or welding elbows..... 939
- PIPE FITTINGS. *See* VALVES
- PIPE LINES
On the dynamics of pneumatic transmission lines..... 853
- PIPING SYSTEMS
Effect of internal pressure on flexibility and stress-intensification factors of curved pipe or welding elbows..... 939
Investigation of thermal-stress fatigue as related to high-temperature piping flexibility..... 1637
- PLANT LOCATION
Safeguard features of a fast-breeder-reactor power plant..... 41
- PLASTICITY. *See also* METAL CREEP
- PLATES. *See* DIAPHRAGMS, FLOW OF FLUIDS
- PNEUMATIC DEVICES. *See also* SERVO-MECHANISMS, VALVES
Comparison of hydraulic and pneumatic accessory power generation..... 1284
On the dynamics of pneumatic transmission lines..... 853
- POLLOCK, W. A.
Instrumentation for steam-consumption tests on medium steam turbine-generator sets (D)..... 364
- PORITSKY, H.
Hunting due to lost motion..... 577
- POUCHOT, W. D.
Pressure drop and air-flow distribution in gas-turbine combustors (D)..... 1607
- POWELL, E. M.
Avon No. 8—a supercritical-pressure plant (D)..... 936
Engineering the Eddystone steam generator for 5000-psig, 1200-F steam..... 1447
- POWELL, H. N.
Application of an enthalpy-fuel/air ratio diagram to "first law" combustion problems..... 1129
- POWER. *See also* SOLAR ENERGY
- POWER PLANTS—GAS-TURBINE
Operating experience and design features of closed-cycle gas-turbine power plants..... 627
- POWER PLANTS—HYDROELECTRIC. *See* POWER SYSTEMS
- POWER PLANTS—NUCLEAR
Fuel elements for nuclear reactors..... 29
Methods of refueling heterogeneous nuclear reactors..... 47

- POWER PLANTS—NUCLEAR (continued)
Operating experience and design features of closed-cycle gas-turbine power plants..... 627
Reactor shielding..... 35
Safeguard features of a fast-breeder-reactor power plant..... 41
- POWER PLANTS—STEAM. *See also* COOLING TOWERS, PIPE AND PIPING, POWER SYSTEMS, STEAM TURBINES, TURBINE TESTING
Analytic procedure for optimizing the selection of power-plant components..... 1129
Avon No. 8—a supercritical-pressure plant..... 927
Eddystone superpressure unit..... 1431
Engineering the Eddystone plant for 5000-lb 1200-deg steam..... 1410
Engineering the Eddystone steam generator for 5000-psig, 1200-F steam..... 1447
First commercial supercritical-pressure steam-electric generating unit for Philo Plant..... 389
First commercial supercritical-pressure steam generator for Philo Plant..... 409
First commercial supercritical-pressure steam turbine—built for the Philo Plant..... 417
Importance of matching steam temperatures with metal temperatures during starting of large steam turbines..... 1669
Information center with automatic logger and scanner—Naches Power Station, Gulf States Utilities Company..... 1632
New way to simplify the steam power plant..... 1115
New Zealand thermal area and its development for power production..... 255
Noise, vibration, and measurement problems, resulting from fluid-flow disturbances..... 1043
Plant management and other factors affecting maintenance costs in steam-generating stations..... 161
Predicting performance of large steam turbine-generator units for central stations..... 1085
- POWER SYSTEMS
Integration of steam and hydro power in Northern California..... 433
New automatic dispatching system at Kansas City..... 1663
- PRESSURE DROP. *See* FLOW OF FLUIDS
- PRESSURE GAGES. *See* INSTRUMENTS—PRESSURE
- PROFOS, P.
Transient air temperatures in a duct (D)..... 1542
- PROPERTIES OF MATERIALS
Specific heats of liquid metals and liquid salts..... 23
- PUDER, R. W.
Fork-truck stability—a study in moments..... 1591
- PUMPS—CENTRIFUGAL. *See* IMPELLERS
- PUMPS—JET
Jet-pump theory and performance with fluids of high viscosity..... 1807
- PURVIS, M. B.
Temperature distribution in the journal-bearing lubricant film..... 343

R

- RF HEATING. *See* HIGH-FREQUENCY HEATING
- RADIATION. *See* HEAT TRANSFER
- RADIOACTIVITY
Reactor shielding..... 35
- RAILROAD RAILS. *See* ADHESION (RAIL)
- RANKIN, A. W.
Austenitic steels in high-temperature steam piping..... 1398
Metalurgical considerations of main steam piping for high-temperature, high-pressure service (D)..... 1396
- RAUDEBAUGH, R. J.
High-temperature corrosion of alloys exposed in the superheater of an oil-fired boiler..... 319
- REA, S. E.
Transient air temperatures in a duct..... 1536
- REACTORS. *See* POWER PLANTS—NUCLEAR
- REASER, W. W.
Comparison of hydraulic and pneumatic accessory power generation (D)..... 1290
- REED, J. C.
Power from solar energy (D)..... 1358

RETHROF, GERHARD					
Analysis and design of a servomotor operating on high-pressure compressed gas.....	875				
Pressure-flow characteristics of pneumatic valves (D).....		1589			
REEVER, E. I.					
Contributions to hydraulic control—7, analysis of the effects of nonlinearity in a valve-controlled hydraulic drive.....	427				
REFRIGERANTS					
Comparison of refrigerants when used in vapor compression cycles over an extended temperature range.....	681				
REGENERATORS. See GAS TURBINES, HEAT-EXCHANGE EQUIPMENT					
REHEAT. See STEAM TURBINES					
REICH, J. A.					
Information center with automatic logger and scanner—Nehes Power Station, Gulf States Utilities Company.....	1652				
REISINGER, R. H.					
Importance of matching steam temperatures with metal temperatures during starting of large steam turbines (D).....	1676				
REMOTE CONTROL					
Methods of refueling heterogeneous nuclear reactors.....	47				
RHEINGANS, W. J.					
Cavitation characteristics of gate valves and globe valves used as flow regulators under heads up to about 125 feet (D).....	1282				
RICHARD, K.					
Creep damage in a Cr-Mo-V steel as measured by retained stress rupture properties (D).....	125				
RICHARDSON, D. L.					
Skewed boundary-layer flow near the end walls of a compressor cascade.....	1789				
RICHARDSON, H. H.					
Design study of a hydrostatic gas bearing with inherent orifice compensation.....	11				
RIDGOUT, V. C.					
Design and analog-computer analysis of an optimum third-order nonlinear servomechanism (D).....	524				
RIGHTMIRE, B. G.					
Statistical analysis of a wear process.....	1242				
RIVAS, M. A., JR.					
Pressure drop and flow characteristics of short capillary tubes at low Reynolds numbers (D).....	1074				
RIVIERE, MICHEL					
Heat transfer by radiation from flames—a summary of the work of the International Flame Research Foundation (D).....	1739				
RIZIKA, J. W.					
Transient air temperatures in a duct (D).....	1542				
ROBERTSHAW, T. L.					
Effect of cold work on elevated-temperature properties of types 301, 305, and 310 stainless steels (D).....	926				
ROCKS					
Strength characteristics of rock samples under hydrostatic pressure.....	695				
RODABAUGH, E. C.					
Effect of internal pressure on flexibility and stress-intensification factors of curved pipe or welding elbows.....	939				
ROGERS, J. J. W.					
Strength characteristics of rock samples under hydrostatic pressure (D).....	707				
ROHMANN, C. P.					
On the dynamics of pneumatic transmission lines.....	853				
ROHRIG, I. A.					
Metallurgical considerations of main steam piping for high-temperature, high-pressure service (D).....	1396				
ROUSENOW, W. M.					
Comparison of refrigerants when used in vapor compression cycles over an extended temperature range.....	681				
ROSS, F. F.					
Cooling towers for steam-electric stations—selection and performance experiences (D).....	1695				
Engineering the Eddystone plant for 5000-lb 1200-deg steam (D).....	1430				
ROSHEN, D. B.					
Investigation of thermal-stress fatigue as related to high-temperature piping flexibility (D).....	1650				
ROWAND, W. H.					
First commercial supercritical-pressure steam generator for Philo Plant.....	409				
ROWLEY, D. S.					
Resistance coefficients for laminar and turbulent flow through one-half-inch valves and fittings.....	1759				
RUPTURE. See METAL TESTING					
RYDER, E. A.					
Properties of misaligned journal bearings (D).....	1211				
S					
SAFETY ENGINEERING. See also POWER PLANTS—NUCLEAR					
Discussion on safety-factor requirements for supersonic aircraft structures.....	986				
SAGE, B. H.					
Mollier diagrams for water near bubble point.....	1192				
SAIBEL, EDWARD					
Spring-supported thrust bearing.....	351				
SALTS. See LIQUIDS					
SAMPLING					
Practical application of uncertainty calculations to measured data.....	373				
SANDWICH CONSTRUCTION					
Weight-efficiency analysis of thin-wing construction.....	974				
SAUNDERS, HERBERT					
Basic methods for nonlinear control-system analysis (D).....	508				
SAVINO, J. M.					
Heat-transfer rates to crossflowing mercury in a staggered tube bank—I (D).....	899				
SCANNING. See AUTOMATIC CONTROL, POWER PLANTS—STEAM					
SCHARP, C. B.					
Importance of matching steam temperatures with metal temperatures during starting of large steam turbines (D).....	1676				
SCHUEBLE, P. A., JR.					
Practical equipment-replacement economics.....	799				
SCHMIDT, A. O.					
Forces and power required to turn aluminum and seven alloys (D).....	914				
SCHMIT, L. A.					
Some structural penalties associated with thermal light.....	990				
SCHNEIDER, P. J.					
Determination of thermal conductivities of metals by measuring transient temperatures in semi-infinite solids (D).....	1201				
Effect of axial fluid conduction on heat transfer in the entrance regions of parallel plates and tubes.....	705				
Rate of temperature change of simple shapes (D).....	1748				
SCHNEIDER, R. W.					
Nonhomogeneous yielding of steel cylinders. 1—mild steel (D).....	1617				
SCHNITT, ARTHUR					
Optimum stresses of structural elements at elevated temperatures.....	959				
SCHRAEDER, A. R.					
Testing dynamically loaded bearings—II, a diesel-engine bearing test machine (D).....	1266				
SCHUMAN, R. H.					
Electrohydraulic servomechanism with an ultrahigh-frequency response.....	455				
SCHUTTRUM, L. F.					
Experimental studies of free convection heat transfer in a vertical tube with uniform wall heat flux (D).....	1556				
SCREENS					
Heat-transfer and flow-friction characteristics of woven-screen and cross-rod matrices.....	1558				
SEALS					
Seal leakage in the rotary regenerator and its effect on rotary-regenerator design for gas turbines.....	233				
SERAN, R. A.					
Heat transfer to laminar boundary layers with variable free-stream velocity.....	1545				
Heat transfer to lead-bismuth in turbulent flow in an annulus.....	1514				
SENOO, YASUTOSHI					
Investigation of the end-wall boundary layer of a turbine-nosle cascade (D).....	1806				
SERVOMECHANISMS. See also AUTOMATIC CONTROL					
Analysis and design of a servomotor operating on high-pressure compressed gas.....	875				
Contributions to hydraulic control—7, analysis of the effects of nonlinearity in a valve-controlled hydraulic drive.....		427			
Design and analog-computer analysis of an optimum third-order nonlinear servomechanism.....		513			
Design basis for cascade-type positional servomechanisms.....		1873			
Dual-mode damper-stabilized servo.....		473			
Electrohydraulic servomechanism with an ultrahigh-frequency response.....		455			
Hunting due to lost motion.....		577			
Nonlinear analog study of a high-pressure pneumatic servomechanism.....		465			
Nonlinear integral compensation of a velocity-lag servomechanism with backlash.....		585			
SHAFER, B. W.					
Graphical shoe-brake analysis (D).....	1327				
SHANK, M. E.					
Flow and fracture of nodular cast iron.....	1911				
SHAPIRO, A. H.					
On the changing size spectrum of particle clouds undergoing evaporation, combustion, or acceleration.....	775				
Pressure drop and flow characteristics of short capillary tubes at low Reynolds numbers (D).....	1076				
SHAW, M. C.					
Influence of lead on metal-cutting forces and temperatures.....	1165				
Loaded steel and the real area of contact in metal cutting.....	1144				
On the drilling of metals, 2—the torque and thrust in drilling.....	139				
SHAWKI, G. S. A.					
Testing dynamically loaded bearings—I, a short history of bearing test machines (D).....	1258				
SHEARER, J. L.					
Electrohydraulic servomechanism with an ultrahigh-frequency response (D).....	463				
Graphical method for the analysis of piecewise linear control systems, with particular application to relay controls (D).....	850				
Nonlinear analog study of a high-pressure pneumatic servomechanism.....	465				
Pressure-flow characteristics of pneumatic valves.....	1577				
Use of nonlinear valve characteristics in the control of a simple blending process.....	329				
SHEN, C. N.					
Nonlinear integral compensation of a velocity-lag servomechanism with backlash.....	585				
SHEPPARD, R.					
First commercial supercritical-pressure steam turbine—built for the Philo Plant.....	417				
Importance of matching steam temperatures with metal temperatures during starting of large steam turbines.....	1669				
SHERMAN, R. A.					
An effort to use a laboratory test as an index of combustion performance (D).....	1183				
Heat transfer by radiation from flames—a summary of the work of the International Flame Research Foundation.....	1727				
SHERNARD, E. S.					
Representation of nonlinear functions of two input variables on analog equipment (D).....	499				
SHIELDS. See POWER PLANTS—NUCLEAR, RADIOACTIVITY					
SHIGLEY, J. E.					
Curved beams with eccentric boundaries (D).....	1321				
SHINNROT, MARVIN					
On the analysis of linear and nonlinear systems.....	547				
SHORT, B. E.					
Temperature and velocity distribution and transfer of heat in a liquid metal.....	279				
SIGAL, ROBERT					
Tests of free convection in a partially enclosed space between two heated vertical plates.....	663				
SIMONS, E. L.					
High-temperature corrosion of alloys exposed in the superheater of an oil-fired boiler (D).....	327				
SINCLAIR, G. M.					
Effect of surface finish on the fatigue strength of titanium alloys RC 130B and Ti 140A.....	89				

- SKINNER, S. M.
Electrical effects accompanying the stick-slip phenomenon of sliding of metals on plastics and lubricated surfaces..... 1963
- SLATER, J. M.
Measurement and integration of acceleration in inertial navigation..... 1571
- SLEICHER, C. A., JR.
Heat transfer in a pipe with turbulent flow and arbitrary wall-temperature distribution..... 789
Temperature and velocity distribution and transfer of heat in a liquid metal (D)..... 285
- SLIBAR, A.
On the theory of grease-lubricated thrust bearings..... 1229
- SMITH, E. S.
On the analysis of linear and nonlinear systems (D)..... 551
- SMITH, J. F. D.
Kinematic analysis and synthesis using collineation-axis equations (D)..... 1312
Pressure drop and flow characteristics of short capillary tubes at low Reynolds numbers (D)..... 1076
- SMITH, L. H., JR.
Skewed boundary-layer flow near the end walls of a compressor cascade (D)..... 1709
- SMITH, P. A.
Influence of lead on metal-cutting forces and temperatures..... 1143
Loaded steel and the real area of contact in metal cutting..... 1165
- SNAPP, R. B.
Testing dynamically loaded bearings I, a short history of bearing test machines..... 1247
II, a diesel-engine bearing test machine..... 1260
- SOHL, G. W.
Electrical effects accompanying the stick-slip phenomenon of sliding of metals on plastics and lubricated surfaces..... 1963
- SORON, HARRY
Two applications of a digital computer to machine-design problems (D)..... 1482
- SOLAR ENERGY
Power from solar energy..... 1349
Utilization of solar furnaces in high-temperature research..... 1019
- SOLNICK, R. L.
Noise, vibration, and measurement problems, resulting from fluid-flow disturbances..... 1043
- SOMERA, W. E.
High-temperature corrosion of alloys exposed in the superheater of an oil-fired boiler..... 319
- SPAHN, J. C.
Eddystone superpressure unit..... 1431
- SPARROW, E. M.
Experimental studies of free convection heat transfer in a vertical tube with uniform wall heat flux (D)..... 1556
- SPECIFIC HEATS. *See* LIQUIDS, PROPERTIES OF MATERIALS
- SPECTROGRAPHIC ANALYSIS
Prevention of destructive engine failure by spectrographic analysis of crankcase oils..... 709
- SPENCER, M. M.
Dynamic performance computer for gas-turbine engines..... 1707
- SPOONER, M. G.
Design and analog-computer analysis of an optimum third-order nonlinear servomechanism (D)..... 524
- SPOTTS, M. F.
Application of complex geometry to relative velocities and accelerations in mechanisms..... 687
Graphical shoe-brake analysis (D)..... 1327
Spring back of metals (D)..... 8
- SPRAYS. *See also* NOZZLES
On the changing size spectrum of particle clouds undergoing evaporation, combustion, or acceleration..... 775
- SPRING BACK. *See* METAL FORMING
- SPROAT, J. R.
Pressure drop and flow characteristics of short capillary tubes at low Reynolds numbers (D)..... 1076
- STABILITY. *See also* INDUSTRIAL TRUCKS
- STALLARD, D. V.
Nonlinear analog study of a high-pressure pneumatic servomechanism (D)..... 472
- STALZER, T. R.
Criteria for validity of lumped-parameter representation of ducting air-flow characteristics..... 833
- STARKEY, W. L.
Effects of complex stress-time cycles on the fatigue properties of metals..... 1329
- STEAM
Flow sampling and discharge measurement in geothermal bores..... 269
New Zealand thermal area and its development for power production..... 255
- STEAM SUPERHEATERS
Experimental superheater for steam at 2000 psi and 1250 F—report after 14,281 hours of operation..... 307
High-temperature corrosion of alloys exposed in the superheater of an oil-fired boiler..... 319
- STEAM TURBINES. *See also* TURBINE TESTING
Eddystone superpressure unit..... 1431
Estimating partial load performance of large reheat turbine-generator units..... 1360
First commercial supercritical-pressure steam turbine—built for Philo Plant... 417
Importance of matching steam temperatures with metal temperatures during starting of large steam turbines..... 1609
- STEEL. *See also* METAL CUTTING
Comparative machinability of B1113—C1213—C1120 HR—C1120 CD and C1119 steels..... 915
Delayed-yield time effects in mild steel under oscillatory axial loads..... 1619
Nonhomogeneous yielding of steel cylinders, 1—mild steel..... 1608
- STEEL ALLOYS
Austenitic steels in high-temperature steam piping..... 1398
Creep characteristics of type 347 stainless steel at 1050 and 1100 F in tension and compression..... 1921
Creep damage in a Cr-Mo-V steel as measured by retained stress rupture properties..... 117
Effect of cold work on elevated-temperature properties of types 301, 305, and 310 stainless steels..... 921
Eight years of experience with austenitic steel piping materials at elevated steam conditions..... 1371
Materials aspect of some high-temperature refinery-piping applications..... 715
Metallurgical considerations of main steam piping for high-temperature, high-pressure service..... 1377
- STEELE, M. C.
Nonhomogeneous yielding of steel cylinders, 1—mild steel..... 1608
- STERNLICHT, B.
Application of digital computers to bearing design..... 1483
Maximum temperature profile in journal bearings..... 337
- STEVENS, R. A.
Mean-temperature difference in one, two, and three-pass crossflow heat exchangers..... 287
- STICHA, E. A.
Materials aspect of some high-temperature, refinery-piping applications..... 715
- STICK-SLIP. *See* FRICTION
- STIRTON, R. I.
Oronite high temperature hydraulic fluids 8200 and 8515..... 1029
- STOUT, T. M.
Basic methods for nonlinear control-system analysis..... 497
Design and analog-computer analysis of an optimum third-order nonlinear servomechanism..... 513
Determination of the characteristics of multi-input and nonlinear systems from normal operating records (D)..... 575
Optimum nonlinear control (D)..... 544
- STRESSES AND STRAINS. *See also* BEAMS, METAL TESTING, THERMAL STRESSES
Certain departures from plastic ideality at small strains..... 97
Delayed-yield time effects in mild steel under oscillatory axial loads..... 1619
Effect of complex stress-time cycles on the fatigue properties of metals..... 1329
Effect of internal pressure on flexibility and stress-intensification factors of curved pipe or welding elbows..... 939
Fatigue of metals under combinations of stresses..... 1337
Flow and fracture of nodular cast iron... 1911
Influence of grinding fluids upon residual stresses in hardened steel..... 149
- STRESSES AND STRAINS (continued)
Influence of repeated bending loads on biaxial residual stresses in shot-peened plates..... 1904
Nonhomogeneous yielding of steel cylinders, 1—mild steel..... 1608
Optimum stresses of structural elements at elevated temperatures..... 959
Residual stresses in cold extruded aluminum..... 155
- STRUCTURES. *See also* AIRPLANE WINGS, AIRPLANES
Safeguard features of a fast-breeder-reactor power plant..... 41
- STULEN, F. B.
Fatigue of metals under combinations of stresses (D)..... 1347
- SUPERCARGERS
Design and development of a two-cycle turbocharged diesel engine..... 1929
- SUPERCritical PRESSURE. *See* POWER PLANTS—STEAM
- SUPERHEATERS. *See* STEAM SUPERHEATERS
- SUPERSONIC FLIGHT. *See* THERMAL STRESSES
- SUPERSONIC FLOW. *See* NOZZLES
- SURFACE FINISH. *See also* METAL FINISHING
Effect of surface finish on the fatigue strength of titanium alloys RC 130B and Ti 140A..... 89
- T
- TACK, C. E.
Investigation of causes of low wheel-to-rail adhesion and possible methods of improving it (D)..... 386
- TAPT, C. K.
Electrohydraulic servomechanism with an ultrahigh-frequency response..... 455
- TARASOV, L. F.
Effect of surface finish on the fatigue strength of titanium alloys RC 130B and Ti 140A (D)..... 95
- TAYLOR, C. F.
Mass flowmeter for in-flight refueling... 1039
- TAYLOR, CRAIG L.
Description and prediction of human response to aircraft thermal environments..... 1024
- TEMPERATURE. *See* HEAT TRANSFER
- TEMPERATURE MEASUREMENT. *See* INSTRUMENTS—TEMPERATURE
- TEMPLETON, R. E.
Losses in pipe and fittings (D)..... 1782
- TESTING. *See also* AIRPLANES, THERMAL STRESSES
Practical application of uncertainty calculations to measured data..... 373
- TESTING MACHINES
Delayed-yield time effects in mild steel under oscillatory axial loads..... 1619
Testing dynamically loaded bearings—I, a short history of bearing test machines..... 1247
II, a diesel-engine bearing test machine..... 1260
Universal bearing tester..... 1267
- THERMAL AREA. *See* STEAM
- THERMAL CONDUCTIVITY. *See* HEAT TRANSFER
- THERMAL STRESSES
Aircraft structural testing techniques at elevated temperatures..... 1005
Design criteria for heated aircraft structures..... 980
Importance of matching steam temperatures with metal temperatures during starting of large steam turbines..... 1609
Investigation of thermal-stress fatigue as related to high-temperature piping flexibility..... 1637
Some NACA research on effect of transient heating on aircraft structures... 1014
Some structural penalties associated with thermal flight..... 990
- THERMODYNAMICS
Applications of an enthalpy-fuel/air ratio diagram to "first law" combustion problems..... 1129
Comparison of refrigerants when used in vapor compression cycles over an extended temperature range..... 681
Design of supersonic expansion nozzles and calculation of isentropic exponent for chemically reacting gases..... 1527
Mollier diagrams for water near bubble point..... 1192

- THIELSCHER, H. G.
Plant management and other factors affecting maintenance costs in steam-generating stations (D)..... 171
- THOMPSON, L. D.
Combustion system for spark-fired gas engines using diesel compression ratios..... 815
- THOMSEN, E. G.
Residual stresses in cold extruded aluminum..... 155
Some studies of angle relationships in metal cutting..... 127
- THRASHER, L. W.
Practical application of uncertainty calculations to measured data..... 373
- THRELKELD, C. B.
Prevention of destructive engine failure by spectrographic analysis of crankcase oils..... 709
- THRING, M. W.
Heat transfer by radiation from flames—a summary of the work of the International Flame Research Foundation (D)..... 1740
- TIDBALL, R. A.
Heat-transfer rates to crossflowing mercury in a staggered tube bank—I (D)..... 907
- TILLINGHAST, J. A.
Predicting performance of large steam turbine-generator units for central stations (D)..... 1113
- TITANIUM
Application of a new structural index to compare titanium alloy with other materials in aircraft structures..... 949
Effect of surface finish on the fatigue strength of titanium alloys RC 130B and Ti 140A..... 89
- TONG, L. S.
Heat-transfer and flow-friction characteristics of woven-screen and cross-rod matrices..... 1558
- TORQUE
Design basis for cascade-type positional servomechanisms..... 1873
- TRABANT, E. A.
Mechanical computing device for the analysis of one-dimensional, transient, heat-conduction problems..... 675
- TREADWELL, K. M.
Comparison of refrigerants when used in vapor compression cycles over an extended temperature range..... 681
Mollier diagrams for water near bubble point (D)..... 1195
- TREFETHEN, LLOYD
Tests of free convection in a partially enclosed space between two heated vertical plates (D)..... 672
- TRIDUS, M.
Dynamic performance computer for gas-turbine engines..... 1707
Experimental studies of free convection heat transfer in a vertical tube with uniform wall heat flux (D)..... 1556
Heat transfer in a pipe with turbulent flow and arbitrary wall-temperature distribution..... 789
On the changing size spectrum of particle clouds undergoing evaporation, combustion, or acceleration (D)..... 786
Theoretical analysis of heat transfer in natural convection and in boiling (D)..... 1510
- TRINKS, W.
Design of corrugated diaphragms (D)..... 62
- TROCKI, T.
Orifice-metering coefficients and pipe friction factors for the turbulent flow of lead-bismuth eutectic (D)..... 1083
- TRUCKS. *See* INDUSTRIAL TRUCKS
- TRAI, D. H.
Pressure-flow characteristics of pneumatic valves (D)..... 1589
- TURBINE TESTING
Instrumentation for steam-consumption tests on medium steam turbine-generator sets..... 357
Procedures for testing large steam turbine-generators in central stations..... 365
- TURBINES. *See also* NOZZLES, STEAM TURBINES
Drag-turbine performance..... 1291
- TURBOMACHINERY
Experimental arrangement for the measurement of the pressure distribution on high-speed rotating blade rows..... 617
- TURNER, J. R.
Investigation of the end-wall boundary layer of a turbine-nozzle cascade..... 1801
- TURNING. *See* METAL CUTTING
- U**
- ULTRAFINISHING. *See* METAL FINISHING
- V**
- VALLESE, L. M.
Résumé of the development and literature of nonlinear control-system theory (D)..... 452
- VALVES
Cavitation characteristics of gate valves and globe valves used as flow regulators under heads up to about 125 feet. Compensation of steady-state flow forces in spool-type hydraulic valves..... 1784
Contributions to hydraulic control—7, analysis of the effects of nonlinearity in a valve-controlled hydraulic drive..... 427
Pressure-flow characteristics of pneumatic valves..... 1577
Resistance coefficients for laminar and turbulent flow through one-half-inch valves and fittings..... 1750
Use of nonlinear valve characteristics in the control of a simple blending process..... 329
- VAN DUZER, R. M., JR.
Information center with automatic logger and scanner—Neches Power Station, Gulf States Utilities Company (D)..... 1661
Plant management and other factors affecting maintenance costs in steam-generating stations (D)..... 171
- VANES. *See* DUST COLLECTORS
- VAN HAUTE, ANDRÉ
Mollier diagrams for water near bubble point..... 1192
- VAN HENGEL, G. H.
Effect of condensate reheat on mean temperature difference in feedwater heater subcooling zones (D)..... 1499
- VASU, GEORGE
Experiments with optimizing controls applied to rapid control of engine pressures with high-amplitude noise signals..... 481
- VAUGHAN, A. L.
Operating considerations in application of gas-turbine-driven, centrifugal, pipeline compressors..... 731
- VIBRATION. *See also* METAL TESTING
Noise, vibration, and measurement problems, resulting from fluid-flow disturbances..... 1043
Nonlinear phenomena..... 439
Vibration design charts..... 1459
- VICKERS, P. T.
Heat-transfer and flow-friction characteristics of woven-screen and cross-rod matrices (D)..... 1570
- VIDOIC, J. P.
Curved beams with eccentric boundaries. Kinematic analysis and synthesis using collineation-axis equations (D)..... 1312
- VISCOSITY
Jet-pump theory and performance with fluids of high viscosity..... 1807
- VON DER NUEL, W. T.
Drag-turbine performance (D)..... 1302
- VORTEXES. *See* FLOW OF FLUIDS
- W**
- WAGNER, W. S.
Residual stresses in cold extruded aluminum (D)..... 159
- WAHL, A. M.
Recent research on flat diaphragms and circular plates with particular reference to instrument applications..... 83
- WALKER, E. W.
Fluid flow through two orifices in series, III—the parameters of metastable and stable flow of hot water..... 183
- WALKER, A. B.
Experimental investigation of critical design factors for vane-type cyclones..... 1715
- WALSH, B. R.
Universal bearing tester..... 1267
- WARD, J. E.
Dual-mode damper-stabilized servo..... 473
- WARREN, G. B.
Engineering the Eddystone plant for 5000-lb 1200-deg steam (D)..... 1429
- WATER
Mollier diagrams for water near bubble point..... 1192
- WATER COOLING. *See* COOLING TOWERS
- WATSON, C. W.
Maintenance factors affecting production costs..... 173
- WAVE MECHANICS
On the dynamics of pneumatic transmission lines..... 853
- WEAR
Prevention of destructive engine failure by spectrographic analysis of crankcase oils..... 709
Statistical analysis of a wear process..... 1242
- WEBER, ERNST
Résumé of the development and literature of nonlinear control-system theory (D)..... 452
- WEHE, R. L.
Properties of misaligned journal bearings..... 1205
- WEIDLER, S. E.
Application of digital computers to bearing design (D)..... 1492
Spring-supported thrust bearing (D)..... 353
- WEINIG, F. S.
Skewed boundary-layer flow near the end walls of a compressor cascade (D)..... 1799
- WEISMANTLE, A. R.
First commercial supercritical-pressure steam generator for Philo Plant (D)..... 416
- WELDING
Austenitic steels in high-temperature steam piping..... 1398
Eight years of experience with austenitic steel piping materials at elevated steam conditions..... 1371
- WELCH, WILLIAM, JR.
Information center with automatic logger and scanner—Neches Power Station, Gulf States Utilities Company (D)..... 1661
- WELSH, W. E.
Experimental studies of free convection heat transfer in a vertical tube with uniform wall heat flux..... 1551
- WEST, G. L., JR.
Mollier diagrams for water near bubble point (D)..... 1192
- WEST, J. C.
Design and analog-computer analysis of an optimum third-order nonlinear servomechanism (D)..... 524
- WESTCOTT, J. C.
Procedures for testing large steam turbine-generators in central stations..... 365
- WHEATER, R. I.
An effort to use a laboratory test as an index of combustion performance..... 1177
- WHEELS. *See* ADHESION (RAIL)
- WHELAN, T. J.
Predicting performance of large steam turbine-generator units for central stations (D)..... 1113
- WHEELER, C. C.
First commercial supercritical-pressure steam-electric generating unit for Philo Plant (D)..... 407
- WILCOX, W. W.
Problems encountered in the translation of compressor performance from one gas to another..... 887
- WILDER, A. B.
Metallurgical considerations of main steam piping for high-temperature, high-pressure service (D)..... 1396
- WILDHACK, W. A.
Investigations of the properties of corrugated diaphragms..... 65
- WILDMANN, M.
Fluid dynamic theory of gas-lubricated bearings (D)..... 1224
- WILHOIT, J. C., JR.
Apparent frictional forces on clamping elements as used in the oil industry..... 1627
- WILLA, J. L.
Instrumenting a field study of industrial water-cooling tower performance..... 1679
- WILSON, C. D.
First commercial supercritical-pressure steam turbine—built for the Philo Plant (D)..... 426
- WILSON, R. L.
Investigation of causes of low wheel-to-rail adhesion and possible methods of improving it (D)..... 386
- WILSON, W. A.
Analytic procedure for optimizing the selection of power-plant components..... 1120

WINTER, I. A. Integration of steam and hydro power in Northern California (D).....	438
WISEMAN, J. P. Cooling towers for steam-electric stations —selection and performance experi- ences (D).....	1696
WOLKO, H. S. Optimum stresses of structural elements at elevated temperatures.....	959
WOOD, HOMER Drag-turbine performance (D).....	1302
WOOD, L. E. Investigations of the properties of corru- gated diaphragms (D).....	81
WOOD INDUSTRIES How RF concerns the wood industry....	603
WOOLF, J. R. Determination of thermal conductivities of metals by measuring transient tem- peratures in semi-infinite solids (D)...	1202

WOOLF (continued) Mean-temperature difference in one, two, and three-pass crossflow heat ex- changers.....	287
WYLIE, R. D. Eight years of experience with austenitic steel piping materials at elevated steam conditions (D).....	1376
Metallurgical considerations of main steam piping for high-temperature, high-pressure service (D).....	1397

Y

YANG, C. T. Residual stresses in cold extruded alu- minum (D).....	159
--	-----

YELLOTT, J. I. Power from solar energy.....	1349
YIELD STRENGTH. <i>See</i> STRESSES AND STRAINS	
YOSHIDA, R. Y. Pressure-flow characteristics of pneu- matic valves (D).....	1589

Z

ZERBE, J. E. Pressure drop for parallel flow through rod bundles.....	1751
ZUBER, NOVAK Experimental studies of free convection heat transfer in a vertical tube with uniform wall heat flux (D).....	1556
Theoretical analysis of heat transfer in natural convection and in boiling (D)..	1510

1. The first part of the report is a general introduction to the subject of the study. It discusses the importance of the study and the objectives of the research. It also provides a brief overview of the methodology used in the study.

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Index to Journal of Applied Mechanics

Volume 24, 1957

The JOURNAL OF APPLIED MECHANICS includes papers contributed to the Transactions of the ASME by the Applied Mechanics Division of the ASME. The JOURNAL OF APPLIED MECHANICS for 1957 was issued quarterly in March, June, September, and December. (AC) denotes author's closure; (BR) book reviews; (D) discussion of a paper.

A

ABRAMSON, H. NORMAN	
Study of the propagation of flexural waves in elastic beams.....	431
ACCELEROMETERS	
Effect of spring mass on contact-accelerometer responses (D).....	321
ADHESIVES. <i>See also</i> CEMENTED JOINTS	
AERODYNAMICS	
Aerodynamic components of aircraft at high speeds (BR).....	651
New approach to the theory of thin, slightly cambered profiles.....	177
Proceedings of the conference on high-speed aeronautics (BR).....	164
AIRPLANES	
Aeroelasticity (BR).....	326
Fatigue in aircraft structures (BR).....	653
Stresses in aircraft and shell structures (BR).....	490
ALGER, P. L.	
Vibration modes of stators of induction motors (D).....	633
APPLIED MECHANICS	
American civil engineering practice, Volume III (BR).....	655
Forced lateral oscillations of trailers.....	515
ATKINSON, C. P.	
Superharmonic oscillations as solutions to Duffing's equation as solved by an electronic differential analyzer.....	520
ATOMIC ENERGY	
Physics and mathematics. Series I of Progress in nuclear energy (BR).....	325
ATSUMI, A.	
Stress concentrations in a strip under tension and containing two pairs of semicircular notches placed on the edges symmetrically.....	565
AVIATION	
High speed flight (BR).....	653

B

BAILEY, FRED C.	
Cams—design, dynamics, accuracy (BR).....	328
BAILEY, J. J.	
Type of flame-excited oscillation in a tube.....	333
BARBER, A. D.	
Dynamic response of beams and plates to rapid heating.....	413
BARRETT, R. A.	
Failure of machine parts (BR).....	655
BARNHART, K. E., JR.	
Stresses in beams during transverse impact.....	440
BARON, M. L.	
Response of nonlinearly supported spherical boundaries to shock waves.....	501
BARS	
Displacements in a wide curved bar subjected to pure elastic-plastic bending.....	447
BARTON, M. V.	
Response of mechanical systems to random excitation.....	248
BEAMS	
Analog computer for nonlinear system with hysteresis.....	245
Beams of uniform strength subjected to uniformly distributed loading.....	105
Collapse strength of redundant beams after lateral buckling.....	283
Dynamic response of beams and plates to rapid heating.....	413
Interaction curves for shear and bending of plastic beams.....	453

JOURNAL OF APPLIED MECHANICS

March	1-164
June	165-328
September	329-492
December	493-656

BEAMS (continued)

Mathematical analysis of bow girders of any shape (D).....	439
Numerical procedure for calculating the large deflections of straight and curved beams.....	289
On the antisymmetric vibrations of a beam carrying a distributed added mass	312
On the use of sine transforms in Timoshenko-beam impact problems.....	152
Photoelastic study of maximum tensile stresses in simply supported short beams under central transverse impact.....	509
Pretwisted beams and columns (D).....	162
Response of beams and plates to random loads.....	46
Specific damping energy of fixed-fixed beam specimens.....	426
Stresses in beams during transverse impact.....	440
Structural damping of a simple built-up beam with riveted joints in bending.....	35
Study of the propagation of flexural waves in elastic beams.....	431

BEARINGS

Effect of lubricant inertia in journal-bearing lubrication.....	494
Some dynamic properties of oil-film journal bearings with reference to the unbalance vibration of rotors (D).....	158

BETSER, A. A.

Photoelastic study of maximum tensile stresses in simply supported short beams under central transverse impact.....	509
---	-----

BIOT, M. A.

Elastic coefficients of the theory of consolidation.....	594
--	-----

BLADES. *See* COMPRESSORS

BLOCKS. *See* DIAPHRAGMS

BODNER, S. R.

Elementare Schalenstatik (BR).....	656
General instability of a ring-stiffened, circular cylindrical shell under hydrostatic pressure.....	269

BOLY, B. A.

Dynamic response of beams and plates to rapid heating.....	413
On the use of sine transforms in Timoshenko-beam impact problems.....	152

BOOK REVIEWS

Aerodynamic components of aircraft at high speeds.....	651
Aeroelasticity.....	326
American civil engineering practice, Volume III.....	655
Analysis of structures.....	647
Cams—design, dynamics, accuracy.....	328
Creep and fracture of metals at high temperature.....	492
Defects and failures of metals.....	656
Dynamics of machinery.....	650
Elasticity, fracture, and flow with engineering and geological applications.....	650
Elementare Schalenstatik.....	656
Elements of gasdynamics.....	650
Engineering mechanics.....	163
Failure of machine parts.....	655
Fatigue in aircraft structures.....	653
50 Jahr Grenzschichtforschung.....	163

BOOK REVIEWS (continued)

Foundations of the nonlinear theory of elasticity.....	328
Fundamentals of vibration analysis.....	490
Gas dynamics.....	642
High speed flight.....	655
"Journal of Fluid Mechanics," new British magazine.....	325
Mechanical vibrations.....	326
Momentum transfer in fluids.....	654
Physics and mathematics. Series I of Progress in nuclear energy.....	325
Plastic method of structural analysis.....	648
Practical solutions of torsional vibration problems.....	653
Principles of turbomachinery.....	327
Proceedings of the conference on high-speed aeronautics.....	164
Proceedings of the Fourth Midwestern Conference on Fluid Mechanics.....	327
Progress in nuclear energy. Series II—Reactors.....	653
Properties of combustion gases—system C ₂ H ₄ -air. Volume I. Thermodynamic properties. Volume II. Chemical composition of equilibrium mixtures.....	491
Science of engineering materials.....	655
Statische und dynamische Berechnung erdverankerter Hängebrücken mit Hilfe von Greenschen Funktionen und Integralgleichungen.....	164
Stresses in aircraft and shell structures.....	490
Structure of turbulent shear flow.....	649
Tables of thermal properties of gases.....	325
Theory and practice of lubrication for engineers.....	651
Thermodynamics and statistical mechanics.....	647
Thermodynamics and statistical mechanics.....	654
BORN, J. S.	
Some mixed boundary-value problems of the semi-infinite strip.....	261
BOUNDARY LAYER. <i>See also</i> FLOW OF FLUIDS	
50 Jahr Grenzschichtforschung (BR).....	163
BOYD, JOHN	
Theory and practice of lubrication for engineers (BR).....	651
BRIDGES	
Statische und dynamische Berechnung erdverankerter Hängebrücken mit Hilfe von Greenschen Funktionen und Integralgleichungen (BR).....	164
BUCKLING	
Buckling of initially imperfect cylindrical shells subject to torsion.....125, (D)	632
Buckling of rectangular plates with two unsupported edges.....	537
Buckling of thin cylindrical shell under hoop stresses varying in axial direction	405
Collapse strength of redundant beams after lateral buckling.....	283
Donnell type theory for asymmetrical bending and buckling of thin conical shells.....	547
General instability of a ring-stiffened, circular cylindrical shell under hydrostatic pressure.....	269
Symmetrical buckling of a series of uniformly loaded parallel struts supported by spot connections to a long thin plate.....	531
BUDANSKY, BERNARD	
New method of analyzing stresses and strains in work-hardening plastic solids (D).....	481
CABLES	
Motion and stress of an elastic cable due to impact.....	417

C

CABLES (continued)	
Some effects of vortex formation in the wake of a suspended cylindrical cable (D).....	485
CALENDERING. See ROLLING	
CAMS	
Cams—design, dynamics, accuracy (BR).....	328
CAVITATION	
Photoelastic study of strain waves caused by cavitation.....	340
CEMENTED JOINTS	
Theory of adhesive scarf joints.....255, (D).....	644
CHAPMAN, D. R.	
Theory for base pressures in transonic and supersonic flow (D).....	484
CHATTARJI, P. P.	
Note on torsion of circular shafts of variable diameter.....	477
CHOU, Y. T.	
Effect of lubricant inertia in journal-bearing lubrication.....	494
CHU, HU-NAN	
Rational analysis of heat-exchanger tube-sheet stresses (D).....	315
CLARK, J. W.	
Specific damping energy of fixed-fixed beam specimens.....	426
CLARKE, JOSEPH H.	
Aerodynamic components of aircraft at high speeds (BR).....	651
COHEN, HIRSH	
Two-dimensional, steady, cavity flow about slender bodies in channels of finite breadth.....	170
COLUMNS	
Pretwisted beams and columns (D).....	162
COMBUSTION	
Properties of combustion gases—system C_2H_4 -air. Volume I, Thermodynamic properties. Volume II, Chemical composition of equilibrium mixtures (BR).....	491
Type of flame-excited oscillation in a tube.....	333
COMINGS, E. W.	
Momentum diffusion from a slot jet into a moving secondary (D).....	321
COMPRESSIBILITY. See SPHERES	
COMPRESSORS	
Two-dimensional inflow conditions for a supersonic compressor with curved blades.....	165
COMPUTERS	
Analog computer for nonlinear system with hysteresis.....	245
Method for solving problems of irrotational gas flow by means of high-speed digital computers.....	497
Superharmonic oscillations as solutions to Duffing's equation as solved by an electronic differential analyzer.....	520
CONSOLIDATION. See SOIL MECHANICS	
CONTACT. See ELASTICITY	
CONWAY, H. D.	
Note on Way's large-deflection solution for the uniformly loaded and clamped circular plate.....	151
Numerical procedure for calculating the large deflections of straight and curved beams.....	289
COOPER, R. M.	
Cylindrical shells under line load.....	553
CORNELL, W. G.	
Theoretical analysis of viscous flow in narrowly spaced radial diffuser (D).....	644
CORRSIN, STANLEY	
Structure of turbulent shear flow (BR).....	649
CRACKS. See STRESSES AND STRAINS	
CRANDALL, S. H.	
Improvement of the Holzer table based on a suggestion of Rayleigh's.....	228
Negative group velocities in continuous structures.....	622
CRECH, M. D.	
Mobility of levers having uniformly distributed mass.....	475
CREEP OF MATERIALS	
Analysis of creep in rotating disks based on the Tresca criterion and associated flow rule (D).....	155
Creep of thick tubes under internal pressure.....	464
CURTIS, C. W.	
Longitudinal impact of a semi-infinite circular elastic bar (D).....	635
CUTCLIFFE, J. L.	
Symmetrical buckling of a series of uniformly loaded parallel struts supported by spot connections to a long thin plate.....	531

CYCLONS. See DUST SEPARATORS
CYLINDERS. See SHELLS

D

DAMPING. See VIBRATION	
DEFORMATION	
Deformation of elastic paraboloidal shells of revolution.....	397
Finite twisting and bending of thin rectangular elastic plates.....	381
Thermal stress and deformation.....	467
DERESIEWICZ, H.	
Dependence of frequency spectrum of a circular disk on Poisson's ratio (D).....	641
Oblique contact of nonspherical elastic bodies.....	623
DESIGN DATA AND METHODS	
Axissymmetrical bending of circular plates under simultaneous action of lateral load, force in the middle plane, and elastic foundation.....	141
Design charts for symmetrical ring girders	144
Effect of elastic racks on vibration mounting of equipment.....	617
Ideal reducers and nozzle flares.....	137
Stress distributions in rotating disks subjected to creep at elevated temperature	299
Thermal stress and deformation.....	467
Uniformly loaded circular plates with a central hole and both edges supported.....	306
DE SILVA, C. NEVIN	
Deformation of elastic paraboloidal shells of revolution.....	397
DEVERALL, L. I.	
Solution of some problems in bending of thin clamped plates by means of the method of Muskhelishvili.....	295
DIES	
On the plane plastic flow of an inset block.....	457
DIETZ, A. G. H.	
Theory of adhesive scarf joints (D).....	644
DIFFERENTIAL ANALYZERS. See COMPUTERS	
DIFFUSERS	
Effect of adverse pressure gradients on turbulent boundary layers in axisymmetric conduits.....	191
DIFFUSION. See FLOW OF FLUIDS	
DISKS. See also ROTORS	
Dependence of the frequency spectrum of a circular disk on Poisson's ratio.53, (D).....	641
Thermal stresses in infinite elastic disks (D).....	487
DI TARANTO, R. A.	
Effect of elastic racks on vibration mounting of equipment.....	617
DONNELL'S EQUATIONS. See MATHEMATICS	
DORN, J. E.	
Effect of stress on creep at high temperatures.....207,.....	644
DRUCKER, D. C.	
American civil engineering practice, Volume III (BR).....	655
Stresses and displacements in an elastic-plastic wedge (D).....	631
DUFFING'S EQUATION. See MATHEMATICS	
DUFFY, J.	
Stress-strain relations and vibrations of a granular medium.....	585
DUNCAN, J. P.	
Rational analysis of heat-exchanger tube-sheet stresses (D).....	317
DUNN, M. B.	
Stiffness of curved circular tubes with internal pressure (AC).....	154
DURELLI, A. J.	
Experiments for the determination of transient stress and strain distributions in two-dimensional problems.....	69
Stress solutions for an infinite plate with triangular inlay (D).....	324
DUST SEPARATORS	
Head loss in flow through a cyclone dust separator or vortex chamber...16, (D).....	642
DYNAMICS. See GASES, MACHINERY	

E

ECKERT, E. R. G.	
New method to measure Prandtl number and thermal conductivity of fluids...25,.....	631
Tables of thermal properties of gases (BR).....	325

EIGENVALUES. See MATHEMATICS

ELASTICITY. See also PLASTICITY, STRESSES AND STRAINS, THERMAL STRESSES	
Calendering of a viscoelastic material....	602
Dislocation over a bounded plane area in an infinite solid.....	252
Effect of elastic racks on vibration mounting of equipment.....	617
Elastic coefficients of the theory of consolidation.....	594
Elasticity, fracture, and flow with engineering and geological applications (BR).....	650
Foundations of the linear theory of elasticity (BR).....	328
Longitudinal impact of a semi-infinite circular elastic bar.....59, (D).....	635
Mixed boundary-value problem of elasticity with parabolic boundary.....	121
Oblique contact of nonspherical elastic bodies.....	623
Photothermoelasticity: an exploratory study.....	355
ELECTRIC ANALOGY	
Simple procedure for improved accuracy in the resistor-network solution of Laplace's and Poisson's equation...93, (D).....	639
Superharmonic oscillations as solutions to Duffing's equation as solved by an electronic differential analyzer.....	520
ELECTRIC MOTORS	
Vibration modes of stators of induction motors.....39, (D).....	633
ENGINEERING	
American civil engineering practice, Volume III (BR).....	655
ENGINEERING PUBLICATIONS	
"Journal of Fluid Mechanics," new British magazine (BR).....	325
ERDELYI, E.	
Vibration modes of stators of induction motors.....	39
ERINGEN, A. C.	
Response of beams and plates to random loads.....	46
EVAN-IWANOWSKI, R. M.	
Stress solution for an infinite plate with triangular inlay (AC).....	324

F

FATIGUE OF MATERIALS. See METAL FATIGUE	
FATT, I.	
Compressibility of a sphere pack—comparison of theory and experiment.....	148
FAY, JAMES A.	
Thermodynamics and statistical mechanics (BR).....	654
FINDLEY, W. N.	
Fatigue in aircraft structures (BR).....	653
FINZI, LEO	
On the principle of Haas and von Karman in statically determinate problems of plasticity.....	461
FISHER, G. P.	
Design charts for symmetrical ring girders.....	144
FLAMES. See COMBUSTION	
FLOW OF FLUIDS. See also AERODYNAMICS, COMPRESSORS, FLUID DYNAMICS	
Effect of adverse pressure gradients on turbulent boundary layers in axisymmetric conduits.....	191
Head loss in flow through a cyclone dust separator or vortex chamber...16, (D).....	642
Method for solving problems of irrotational gas flow by means of high-speed digital computers.....	497
Momentum diffusion from a slot jet into a moving secondary (D).....	321
New method to measure Prandtl number and thermal conductivity of fluids...25, (D).....	631
Point source and point vortex on the hodograph plane.....	183
Some effects of vortex formation in the wake of a suspended cylindrical cable (D).....	485
Structure of turbulent shear flow (BR).....	649
Suction device using air under pressure (D).....	156
Theoretical analysis of the viscous flow in a narrowly spaced radial diffuser.9, (D).....	644
Theory for base pressures in transonic and supersonic flow (D).....	484
Turbulence in small air jets at velocities up to 705 feet per second.....	349

FLOW OF FLUIDS (continued)

- Two-dimensional, steady, cavity flow about slender bodies in channels of finite breadth..... 170
- Unsteady flow of gas through a semi-infinite porous medium..... 329
- Velocity, temperature, and heat-transfer measurements in a turbulent boundary layer downstream of a stepwise discontinuity in wall temperature.... 2, (D) 488
- FLUID DYNAMICS
- Momentum transfer in fluids (BR)..... 654
- FLUID MECHANICS
- "Journal of Fluid Mechanics," new British magazine (BR)..... 325
- Proceedings of the Fourth Midwestern Conference on Fluid Mechanics (BR)..... 327
- FORCHER, F.
- Theory of yield point and transition temperature of mild steel (AC)..... 156
- FORSTALL, W.
- Momentum diffusion from a slot jet into a moving secondary (AC)..... 322
- FRACTURE. See ELASTICITY, STRESSES AND STRAINS
- FRANIER, J. T.
- Force in the plane of two joined semi-infinite plates..... 582
- FRIEDBERGER, WALTER
- Minimum weight design of cylindrical shells (AC)..... 486
- FREUDENSTEIN, F.
- Five-line construction for a computing linkage satisfying five precision requirements..... 621
- FROCHT, M. M.
- Photoelastic study of maximum tensile stresses in simply supported short beams under central transverse impact..... 509

G

- GARDNER, K. A.
- Rational analysis of heat-exchanger tube-sheet stresses (D)..... 316
- GARLAND, CLYDE F.
- Mechanical vibrations (BR)..... 326
- GASES. See also FLOW OF FLUIDS
- Elements of gasdynamics (BR)..... 650
- Gas dynamics (BR)..... 642
- Properties of combustion gases—system C_2H_2 -air. Volume I, Thermodynamic properties. Volume II, Chemical composition of equilibrium mixtures (BR)..... 491
- Table of thermal properties of gases (BR)..... 325
- GAYDON, F. A.
- Yield loads of slabs with reinforced cut-outs (D)..... 634
- GAZIS, D. C.
- Influence of width on velocities of long waves in plates..... 541
- GEORGE, H. H.
- Stiffness of curved circular tubes with internal pressure (D)..... 153
- GEORGIAN, J. C.
- Uniformly loaded circular plates with a central hole and both edges supported..... 306
- GERARD, GEORGE
- Photothermoelasticity: an exploratory study..... 355
- GERMAIN, P.
- Elements of gasdynamics (BR)..... 650
- GILBERT, A. C.
- Photothermoelasticity: an exploratory study..... 355
- GILBERT, ROBERT
- Two-dimensional, steady, cavity flow about slender bodies in channels of finite breadth..... 170
- GIRDERS. See STRUCTURES
- GOLDSMITH, WERNER
- Elongating string under the action of a transverse force..... 609
- Stresses in beams during transverse impact..... 440
- GOODIER, J. N.
- Thermal stress and deformation..... 467
- GOODMAN, LAWRENCE E.
- Fundamentals of vibration analysis (BR)..... 490
- Thermal drift of floated gyroscopes..... 506
- GRANULAR MEDIA. See SPHERES
- GRAPHICAL METHODS
- Force in the plane of two joined semi-infinite plates..... 582
- Graphical solution of single-degree-of-freedom vibration problem with arbitrary damping and restoring forces... 311

GRAPHICAL METHODS (continued)

- Improved nomogram for the ratios of the octahedral to the maximum shearing stresses (D)..... 160
- Min-max solutions for the linear mass-spring system..... 131
- New method for the construction of Hencky-Prandtl nets..... 81
- GROSS, W. A.
- Beams of uniform strength subjected to uniformly distributed loading..... 105
- GRUBIN, CARL
- On the theory of the acceleration damper (AC)..... 324
- GERLAND, J.
- Science of engineering materials (BR)..... 655
- GYROSCOPES
- Thermal drift of floated gyroscopes..... 506

H

- HAGEL, W. C.
- Specific damping energy of fixed-fixed beam specimens..... 426
- HAGO, A. C.
- Some dynamic properties of oil-film journal bearings with reference to the unbalance vibration of rotors (AC)..... 159
- HANDELMAN, GEORGE
- On the antisymmetric vibrations of a beam carrying a distributed added mass..... 312
- HANSON, K. L.
- The sector problem..... 574
- HART, E. W.
- Theory of yield point and transition temperature of mild steel (D)..... 155
- HARTNETT, J. P.
- Velocity, temperature, and heat-transfer measurements in a turbulent boundary layer downstream of a stepwise discontinuity in wall temperature (D)..... 488
- HAWTHORNE, WILLIAM R.
- 50 Jahr Grenzschichtforschung (BR)..... 163
- Proceedings of the conference on high-speed aerodynamics (BR)..... 164
- HEAD, A. K.
- Propagation of fatigue cracks (AC)..... 161
- HEAPS, H. S.
- Symmetrical buckling of a series of uniformly loaded parallel struts supported by spot connections to a long thin plate..... 531
- HEAT-EXCHANGE EQUIPMENT
- Axisymmetrical bending of circular plates under simultaneous action of lateral load, force in the middle plane, and elastic foundation..... 141
- Rational analysis of heat-exchanger tube-sheet stresses (D)..... 315
- HEAT TRANSFER
- New method to measure Prandtl number and thermal conductivity of fluids..... 25, (D) 631
- Velocity, temperature, and heat-transfer measurements in a turbulent boundary layer downstream of a stepwise discontinuity in wall temperature.... 2, (D) 488
- HJAB, W. A.
- Statistical appraisal of the Prot method for determination of fatigue endurance limit..... 214
- HIRSCHORN, J.
- Synthesis of four-bar mechanisms by the method of components..... 22, 639
- HODGE, P. G., JR.
- Analysis of creep in rotating disks based on the Tresca criterion and associated flow rule (D)..... 155
- Interaction curves for shear and bending of plastic beams..... 453
- Minimum weight design of cylindrical shells (D)..... 486
- New method of analyzing stresses and strains in work-hardening plastic solids (D)..... 482
- Yield loads of slabs with reinforced cut-outs..... 85, 634
- HOFF, N. J.
- Buckling of thin cylindrical shell under hoop stresses varying in axial direction
- Stresses in aircraft and shell structures (BR)..... 490
- HOLL, J. W.
- Effect of adverse pressure gradients on turbulent boundary layers in axisymmetric conduits..... 191
- HOLZER TABLE. See MATHEMATICS

HONORS AND AWARDS

- Timoshenko Medal..... 493
- HOFFMANN, W. H., II
- Nodal patterns of the free flexural vibrations of stiffened plates..... 526
- HORVAY, G.
- Saint Venant's principle: a biharmonic eigenvalue problem..... 381
- The sector problem..... 574
- Some mixed boundary-value problems of the semi-infinite strip..... 261
- Vibration modes of stators of induction motors..... 39
- HOUSE, RAYMOND N., JR.
- Displacements in a wide curved bar subjected to pure elastic-plastic bending... 447
- HUBBERT, M. K.
- Longitudinal impact of a semi-infinite circular elastic bar (D)..... 635
- HUTH, J. H.
- Some new data on high-speed impact phenomena..... 65
- HYDROSTATIC TESTING
- General instability of a ring-stiffened, circular cylindrical shell under hydrostatic pressure..... 269
- HYSTERESIS. See NONLINEAR SYSTEMS

I

- IMPACT
- Experiments for the determination of transient stress and strain distributions in two-dimensional problems..... 69
- Longitudinal impact of a semi-infinite circular elastic bar..... 59, (D) 635
- Motion and stress of an elastic cable due to impact..... 417
- On the use of sine transforms in Timoshenko-beam impact problems..... 152
- Photoelastic study of maximum tensile stresses in simply supported short beams under central transverse impact..... 509
- Some new data on high-speed impact phenomena..... 65
- Stresses in beams during transverse impact..... 440
- Study of the propagation of flexural waves in elastic beams..... 431
- INSTRUMENTS. See FLOW OF FLUIDS, HEAT TRANSFER
- INSTRUMENTS—VISCOSITY. See VISCOMETERS
- IRVINE, T. F., JR.
- New method to measure Prandtl number and thermal conductivity of fluids..... 25, (D) 631
- IRWIN, G. R.
- Analysis of stresses and strains near the end of a crack traversing a plate..... 361

J

- JETA. See FLOW OF FLUIDS
- JOHNSON, D. S.
- Velocity, temperature, and heat-transfer measurements in a turbulent boundary layer downstream of a stepwise discontinuity in wall temperature..... 2, 489
- JOHNSTON, BRUCE G.
- Plastic method of structural analysis (BR)..... 648

K

- KAFKA, P. G.
- Stiffness of curved circular tubes with internal pressure (AC)..... 154
- KANE, T. R.
- Reflection of dilatational waves at the edge of a plate..... 219
- KANO, CYRUS H.
- Practical solutions of torsional vibration problems (BR)..... 653
- KATE, JOSEPH
- Properties of combustion gases—system C_2H_2 -air. Volume I, Thermodynamic properties. Volume II, Chemical composition of equilibrium mixtures (BR)..... 491
- KEENAN, J. H.
- Head loss in flow through a cyclone dust separator or vortex chamber..... 16, 643
- The state principle—some general aspects of relationships among properties of systems (D)..... 625

- KENNARD, E. H.
Vibrations of cylindrical shells with rotary inertia and shear (D)..... 162
- KESTIN, J.
Corrections for the oscillating-disk viscometer..... 197, 643
New method to measure Prandtl number and thermal conductivity of fluids (D)..... 631
The state principle—some general aspects of relationships among properties of systems (D)..... 626
Thermodynamics and statistical mechanics (BR)..... 647
- KEYES, F. G.
Corrections for the oscillating-disk viscometer (D)..... 643
- KIDDER, R. E.
Unsteady flow of gas through a semi-infinite porous medium..... 329
- KIKUCHI, S.
Stress-concentration factors in shafts... 313
- KINEMATICS
Five-line construction for a computing linkage satisfying five precision requirements..... 621
Synthesis of four-bar mechanisms by the method of components..... 22, (D) 637
- KLINE, L. V.
Nonuniform rim-stress conditions for a rotating solid of uniform stress..... 149
- KLINE, S. J.
The state principle—some general aspects of the relationships among the properties of systems..... 29, 628
- KOENIG, F. O.
The state principle—some general aspects of the relationships among the properties of systems..... 29, 628
- KOGA, TOTOKI
Method for solving problems of irrotational gas flow by means of high-speed digital computers..... 497
- KOITER, W. T.
Thermal stresses in infinite elastic disks (D)..... 487
- KORST, H. H.
Theory for base pressures in transonic and supersonic flow (AC)..... 484
- KYLE, P. E.
Defects and failures of metals (BR)..... 656
- KYRALA, A. ALI
Foundations of the nonlinear theory of elasticity (BR)..... 328
Physics and mathematics. Series I of Progress in nuclear energy (BR)..... 325
Statische und dynamische Berechnung erdverankerter Hängebrücken mit Hilfe von Greenschen Funktionen und Integralgleichungen (BR)..... 164
- L
LAKS, H.
Effect of stress on creep at high temperatures..... 207, 644
- LANDAU, H. G.
Simple procedure for improved accuracy in the resistor-network solution of Laplace's and Poisson's equation..... 93, 640
- LANDIS, FRED
Head loss in flow through a cyclone dust separator or vortex chamber (D)..... 642
Momentum diffusion from a slot jet into a moving secondary (D)..... 321
- LASITER, L. W.
Turbulence in small air jets at exit velocities up to 705 feet per second..... 349
- LEE, E. H.
Dynamics of machinery (BR)..... 650
- LESSLEA, JOHN M.
Biography..... 1
- LEVERA. See MECHANICS
- LEVINE, PHILIP
Two-dimensional inflow conditions for a supersonic compressor with curved blades..... 165
- LEVY, SALOMON
Progress in nuclear energy. Series II—Reactors (BR)..... 653
- LI, J. P.
Beams of uniform strength subjected to uniformly distributed loading..... 105
- LIBBY, PAUL A.
Acroelasticity (BR)..... 326
- LIN, C. C.
"Journal of Fluid Mechanics," new British magazine (BR)..... 325
- LIN, T. C.
Vibration of cylindrical shells with rotary inertia and shear (AC)..... 162
- LIN, T. H.
Effect of spring mass on contact-accelometer responses (AC)..... 321
- LING, CHIH-BING
Stresses in a perforated strip..... 365
- LINKAGES. See KINEMATICS, MECHANISMS
- LOO, T. T.
Buckling of initially imperfect cylindrical shells subject to torsion (D)..... 632
- LUDKIN, J. L.
Theory of adhesive scarf joints..... 255
- LUBRICATION
Effect of lubricant inertia in journal-bearing lubrication..... 494
Some dynamic properties of oil-film journal bearings with reference to the unbalance vibration of rotors (D)..... 158
Theory and practice of lubrication for engineers (BR)..... 651
- LUNCHICK, M. E.
Behavior of cylinders with initial shell deflection..... 559
- M
McCLINTOCK, F. A.
Propagation of fatigue cracks (D)..... 160
- McDOWELL, E. L.
Axisymmetric thermal stresses in a spherical shell of arbitrary thickness..... 376
- MACHINERY
Dynamics of machinery (BR)..... 650
Failure of machine parts (BR)..... 655
- MAGER, ARTHUR
Theoretical analysis of viscous flow in narrowly spaced radial diffuser (D)..... 644
- MAGNESS, L. S.
Nodal patterns of the free flexural vibrations of stiffened plates..... 526
- MAGNETISM
Specific damping energy of fixed-fixed beam specimens..... 426
- MAHALINGAM, S.
Forced vibration of systems with nonlinear, nonsymmetrical characteristics..... 435
- MALKIN, I.
Rational analysis of heat-exchanger tube-sheet stresses (D)..... 316
- MANJOINE, M. J.
Creep and fracture of metals at high temperature (BR)..... 492
- MASUR, E. F.
Collapse strength of redundant beams after lateral buckling..... 283
- MATHEMATICS. See also ELECTRIC ANALOGY
Axisymmetric thermal stresses in a spherical shell of arbitrary thickness..... 376
Direct method for determining Airy polynomial stress functions..... 387
Dislocation over a bounded plane area in an infinite solid..... 252
Donnell type theory for asymmetrical bending and buckling of thin conical shells..... 547
Elongating string under the action of a transverse force..... 609
Finite twisting and bending of thin rectangular elastic plates..... 381
Improvement of the Holzer table based on a suggestion of Rayleigh's..... 228
Longitudinal impact of a semi-infinite circular elastic bar..... 635, (D) 59
Min-max solutions for the linear mass-spring system..... 131
Mixed boundary-value problem of elasticity with parabolic boundary..... 122
New approach to the theory of thin, slightly cambered profiles..... 177
Note on Way's large-deflection solution for the uniformly loaded and clamped circular plate..... 151
Numerical procedure for calculating the large deflections of straight and curved beams..... 289
On the use of sine transforms in Timoshenko-beam impact problems..... 152
Point source and point vortex in the hodograph plane..... 183
Response of nonlinearly supported boundaries to shock waves..... 501
Saint Venant's principle: a biharmonic eigenvalue problem..... 381
The sector problem..... 574
Solution of some problems in bending of thin clamped plates by means of the method of Muskhelishvili..... 295
- MATHEMATICS (continued)
Statische und dynamische Berechnung erdverankerter Hängebrücken mit Hilfe von Greenschen Funktionen und Integralgleichungen (BR)..... 164
Stress concentrations in a strip under tension and containing two pairs of semi-circular notches placed on the edges symmetrically..... 565
Stresses in a perforated strip..... 365
Superharmonic oscillations as solutions to Duffing's equation as solved by an electronic differential analyzer..... 520
Unsteady flow of gas through a semi-infinite porous medium..... 329
- MECHANICS. See also APPLIED MECHANICS
Engineering mechanics (BR)..... 163
Mobility of levers having uniformly distributed mass..... 475
Thermodynamics and statistical mechanics (BR)..... 647, 654
- MECHANISMS. See also CAMS
Five-line construction for a computing linkage satisfying five precision requirements..... 621
Synthesis of four-bar mechanisms by the method of components..... 22, (D) 637
- METAL CREEP
Creep and fracture of metals at high temperature (BR)..... 492
Effect of stress on creep at high temperatures..... 207, (D) 643
Stress distributions in rotating disks subjected to creep at elevated temperature..... 299
- METAL FAILURES
Defects and failures of metals (BR)..... 656
Failure of machine parts (BR)..... 655
- METAL FATIGUE. See also METAL TESTING—FATIGUE
Fatigue in aircraft structures (BR)..... 653
Propagation of fatigue cracks (D)..... 160
Theoretical criterion for the fracture of metals under combined alternating stresses..... 77, (D) 640
- METAL FORMING
New method for the construction of Hencky-Prandtl nets..... 81
- METAL TESTING
Specific damping energy of fixed-fixed beam specimens..... 426
- METAL TESTING—FATIGUE
Statistical appraisal of the Prot method for determination of fatigue endurance limit..... 214
- METALLOGRAPHY
Theory of yield point and transition temperature of mild steel (D)..... 155
- METEORS. See PENETRATION
- MIKLOWITZ, JULIUS
Longitudinal impact of a semi-infinite circular elastic bar (D)..... 636
Propagation of compressional waves in a dispersive elastic rod..... 231
Part I—Results from the theory..... 240
Part II—Experimental results and comparison with theory..... 240
- MILBRADT, K. P.
Collapse strength of redundant beams after lateral buckling..... 283
- MILLER, D. R.
Momentum diffusion from a slot jet into a moving secondary (D)..... 321
- MINDLIN, R. D.
Dependence of frequency spectrum of a circular disk on Poisson's ratio (D)..... 641
Influence of width on velocities of long waves in plates..... 541
Stress-strain relations and vibrations of a granular medium..... 585
- MODELS
Analog computer for nonlinear system with hysteresis..... 245
Theory for base pressures in transonic and supersonic flow (D)..... 484
- MORGAN, G. W.
Vibrations of cylindrical shells with rotary inertia and shear (AC)..... 162
- MOSEYNSKI, J. R.
High speed flight (BR)..... 655
- MOTOR VEHICLES
Forced lateral oscillations of trailers... 515
- MYKLESTAD, N. O.
Engineering mechanics (BR)..... 163
- N
NAGHDI, P. M.
Stresses and displacements in an elastic-plastic wedge..... 98

- NASH, W. A.
Buckling of initially imperfect cylindrical shells subject to torsion.....125, 632
- NEOU, CHING-YUAN
Direct method for determining Airy polynomial stress functions.....387
- NETS. *See* GRAPHICAL METHODS
- NETWORKS. *See* ELECTRIC ANALOGY
- NISEWANDER, C. R.
Propagation of compressional waves in a dispersive elastic rod. Part II—Experimental results and comparison with theory.....240
- NOMOGRAMS. *See* GRAPHICAL METHODS
- NONLINEAR SYSTEMS
Analog computer for nonlinear system with hysteresis.....245
- NOWINSKI, J.
Pretwisted beams and columns (D).....162
- NOZZLES
Ideal reducers and nozzle flares.....137
- O**
- OKUBO, H.
Stress-concentration factors in shafts....313
- OPPENHEIM, A. K.
The state principle—some general aspects of relationships among properties of systems (D).....626
- OROWAN, E.
Theoretical criterion for fracture of metals under combined alternating stresses (D).....640
- OSCILLATION. *See* VIBRATION
- OSGOOD, WILLIAM R.
Elasticity, fracture, and flow with engineering and geological applications (BR).....650
- OSTERLE, J. F.
Effect of lubricant inertia in journal-bearing lubrication.....494
Momentum diffusion from a slot jet into a moving secondary (AC).....322
- P**
- PAI, S. I.
Proceedings of the Fourth Midwestern Conference on Fluid Mechanics (BR)....327
- PARIA, GUNADHAR
Mixed boundary-value problem of elasticity with parabolic boundary.....122
- PASCHEIS, VICTOR
Simple procedure for improved accuracy in the resistor-network solution of Laplace's and Poisson's equation (D)....639
- PASLAY, P. R.
Calendering of a viscoelastic material...602
Forced lateral oscillations of trailers....515
- PELL, W. H.
Graphical solution of single-degree-of-freedom vibration problem with arbitrary damping and restoring forces...311
- PENETRATION
Some new data on high-speed impact phenomena.....65
- PERLS, T. A.
Effect of spring mass on contact-acceleration responses (D).....321
- PERRONE, NICHOLAS
Yield loads of slabs with reinforced cut-outs.....85, 634
- PHASE RULE. *See* THERMODYNAMICS
- PHOTOELASTICITY
Experiments for the determination of transient stress and strain distributions in two-dimensional problems.....69
Photoelastic study of maximum tensile stresses in simply supported short beams under central transverse impact.....509
Photoelastic study of strain waves caused by cavitation.....340
Photothermoelasticity: an exploratory study.....355
- PHOTOGRAPHY. *See* PHOTOELASTICITY
- PIAN, T. H. H.
Structural damping of a simple built-up beam with riveted joints in bending...35
- PINKEL, BENJAMIN
Principles of turbomachinery (BR)....327
- PIPE BENDS
Stiffness of curved circular tubes with internal pressure (D).....153
- PLASTICITY. *See also* STRESSES AND STRAINS, THERMAL STRESSES
Displacements in a wide curved bar subjected to pure elastic-plastic bending...447
New method for the construction of Hencky-Prandtl nets.....81
New method of analyzing stresses and strains in work-hardening plastic solids (D).....481
On the plane plastic flow of an inset block.....457
On the principle of Haar and von Karman in statically determinate problems of plasticity.....461
- PLASTICS
Calendering of a viscoelastic material...602
- PLATES. *See also* STRUCTURES
Analysis of stresses and strains near the end of a crack traversing a plate.....361
Axisymmetrical bending of circular plates under simultaneous action of lateral load, force in the middle plane, and elastic foundation.....141
Buckling of rectangular plates with two unsupported edges.....537
Dynamic response of beams and plates to rapid heating.....413
Effect of a circular hole on the pure twist of an infinite strip.....115
Elastoplastic thermal-stress analysis of a free-plate (D).....162
Finite twisting and bending of thin rectangular elastic plates.....391
Force in the plane of two joined semi-infinite plates.....582
Nodal patterns of the free flexural vibrations of stiffened plates.....526
Note on Way's large deflection solution for the uniformly loaded and clamped circular plate.....151
Reflection of dilatational waves at the edge of a plate.....219
Response of beams and plates to random loads.....46
Solution of some problems in bending of thin clamped plates by means of the method of Muskhelishvili.....295
Stress concentrations in a strip under tension and containing two pairs of semi-circular notches placed on the edges symmetrically.....565
Stress solutions for an infinite plate with triangular inlay (D).....324
Stresses in a perforated strip.....365
Uniformly loaded circular plates with a central hole and both edges supported...306
- POISSON'S RATIO. *See* VIBRATION
- POINITSKY, H.
Point source and point vortex in the hodograph plane.....183
- POWELL, R. A.
Point source and point vortex in the hodograph plane.....183
- POWER PLANTS—NUCLEAR
Progress in nuclear energy. Series II—Reactors (BR).....653
- PRAGER, WILLIAM
New method of analyzing stresses and strains in work-hardening plastic solids (AC).....483
- PRANDTL NUMBER. *See* FLOW OF FLUIDS, HEAT TRANSFER
- PROJECTILES. *See* PENETRATION
- PROPERTIES OF MATERIALS
Science of engineering materials (BR)....655
- PROT METHOD. *See* METAL TESTING—FATIGUE
- R**
- RANOV, THEODOR
Theoretical analysis of viscous flow in narrowly spaced radial diffuser (D)....645
- REDSHAW, S. C.
Simple procedure for improved accuracy in the resistor-network solution of Laplace's and Poisson's equation (D)....639
- REDUCERS. *See* SHELLS
- REISSNER, ERIC
Finite twisting and bending of thin rectangular elastic plates.....381
- RICHARDSON, E. A.
Some effects of vortex formation in the wake of a suspended cylindrical cable (D).....485
- RILEY, W. F.
Experiment for the determination of transient stress and strain distributions in two-dimensional problems.....69
- RINGOLIER, F. O.
Motion and stress of an elastic cable due to impact.....417
- RINGS
Design charts for symmetrical ring girders.....144
Numerical procedure for calculating the large deflections of straight and curved beams.....289
- RIPPERGER, E. A.
Study of the propagation of flexural waves in elastic beams.....431
- ROBERTSON, J. M.
Effect of adverse pressure gradients on turbulent boundary layers in axisymmetric conduits.....191
- ROBINSON, A. R.
Thermal drift of floated gyroscopes....506
- RODABAUGH, E. C.
Stiffness of curved circular tubes with internal pressure (D).....153
- ROLLING
Calendering of a viscoelastic material...602
- RONGVED, LEIF
Dislocation over a bounded plane area in an infinite solid.....252
Force in the plane of two joined semi-infinite plates.....582
- ROSENBAUER, N.
Synthesis of four-bar mechanisms by the method of components (D).....637
- ROSS, E. W., JR.
On effect of boundary and loading conditions in the limit analysis of plastic structures.....314
On the plane plastic flow of an inset block.....457
- ROTOES
Analysis of creep in rotating disks based on the Tresca criterion and associated flow rule (D).....155
Nonuniform rim-stress conditions for a rotating solid of uniform stress.....149
Stress distributions in rotating disks subjected to creep at elevated temperature.....299
- S**
- SAIDEL, E. A.
Effect of lubricant inertia in journal-bearing lubrication.....494
- SAINT VENANT'S PRINCIPLE. *See* MATHEMATICS
- SANKEY, G. O.
Some dynamic properties of oil-film journal bearings with reference to the unbalance vibration of rotors (AC).....159
- SCHWIEBER, BERTHOLD
Ideal reducers and nozzle flares.....137
- SEAMES, A. E.
Numerical procedure for calculating the large deflections of straight and curved beams.....289
- SECTOR PROBLEM. *See* MATHEMATICS
- SEIDE, PAUL
Donnell type theory for asymmetrical bending and buckling of thin conical shells.....547
Elastoplastic thermal-stress analysis of a free-plate (D).....162
- SEVIN, EUGENE
Min-max solutions for the linear mass-spring system.....131
- SHAFFER, BERNARD W.
Displacements in a wide curved bar subjected to pure elastic-plastic bending...447
- SHAFTS
Note on torsion of circular shafts of variable diameter.....477
Stress-concentration factors in shafts...313
- SHAPIRO, ASCHER H.
Gas dynamics (BR).....648
- SHARMA, R. L.
Dependence of the frequency spectrum of a circular disk on Poisson's ratio...53, 642
- SHELLS
Axisymmetric thermal stresses in a spherical shell of arbitrary thickness.....376
Behavior of cylinders with initial shell deflection.....559
Buckling of initially imperfect cylindrical shells subject to torsion.....125, (D)
Buckling of thin cylindrical shell under hoop stresses varying in axial direction.....405
Cylindrical shells under line load.....553
Deformation of elastic paraboloidal shells of revolution.....397
Donnell type theory for asymmetrical bending and buckling of thin conical shells.....547
Elementare Schalenstatik (BR).....656
General instability of a ring-stiffened,

SHELLS (continued)					
circular cylindrical shell under hydrostatic pressure.....	269				
Ideal reducers and nozzle flares.....	137				
Minimum weight design of cylindrical shells (D).....	486				
On radial deflections of a cylinder subjected to equal and opposite concentrated radial loads.....	278				
Vibrations of cylindrical shells with rotational inertia and shear (D).....	162				
SHERBY, O. D.					
Effect of stress on creep at high temperatures.....	207, 644				
SHORT, R. D., JR.					
Behavior of cylinders with initial shell deflection.....	559				
SHULESHKO, P.					
Buckling of rectangular plates with two unsupported edges.....	537				
SKALAK, RICHARD					
Longitudinal impact of a semi-infinite circular elastic bar.....	59, 637				
SLABS. See STRUCTURES					
SLIAR, A.					
Forced lateral oscillations of trailers....	515				
SMITH, J. LE CONTE, JR.					
Head loss in flow through a cyclone dust separator or vortex chamber (D).....	642				
SOIL MECHANICS					
Elastic coefficients of the theory of consolidation.....	594				
SPHERES					
Compressibility of a sphere pack—comparison of theory and experiment.....	148				
Stress-strain relations and vibrations of a granular medium.....	585				
SPRINGS					
Effect of elastic racks on vibration mounting of equipment.....	617				
Effect of spring mass on contact-accelerometer responses (D).....	321				
Forced vibration of systems with nonlinear, nonsymmetrical characteristics.....	435				
STARR, C. D.					
Effect of stress on creep at high temperatures (D).....	643				
STATE PRINCIPLE. See THERMODYNAMICS					
STATORS. See ELECTRIC MOTORS					
STEEL					
Theory of yield point and transition temperature of mild steel (D).....	155				
STEIDEL, R. F., JR.					
Some effects of vortex formation in the wake of a suspended cylindrical cable (AC).....	486				
STERNBERG, E.					
Axisymmetric thermal stresses in a spherical shell of arbitrary thickness.....	376				
Thermal stresses in infinite elastic disks (D).....	487				
STRANG, W. G.					
Improvement of the Holzer table based on a suggestion of Rayleigh's.....	228				
STRESSES AND STRAINS. See also BUCKLING, CREEP OF MATERIALS, ELASTICITY, IMPACT, METAL CREEP, PLASTICITY, PLATES, ROTORS, THERMAL STRESSES, TORSION, WAVE MECHANICS					
Analysis of stresses and strains near the end of a crack traversing a plate.....	361				
Behavior of cylinders with initial shell deflection.....	559				
Creep and fracture of metals at high temperature (BR).....	492				
Cylindrical shells under line load.....	553				
Direct method for determining Airy polynomial stress functions.....	387				
Effect of a circular hole on the pure twist of an infinite strip.....	115				
Experiments for the determination of transient stress and strain distributions in two-dimensional problems.....	69				
Force in the plane of two joined semi-infinite plates.....	582				
Improved nomogram for the ratios of the cotangent to the maximum shearing stresses (D).....	160				
Interaction curves for shear and bending of plastic beams.....	453				
Minimum weight design of cylindrical shells (D).....	486				
Motion and stress of an elastic cable due to impact.....	417				
New method of analyzing stresses and strains in work-hardening plastic solids (D).....	481				
On the stress distribution at the base of a stationary crack.....	109				
Photoelastic study of strain waves caused by cavitation.....	340				
Rational analysis of heat-exchanger tube-sheet stresses (D).....	315				
STRESSES AND STRAINS (continued)					
Reduction of three-dimensional stress distributions to two-dimensional analysis by superposition.....	478				
Saint Venant's principle: a biharmonic eigenvalue problem.....	381				
Some mixed boundary-value problems of the semi-infinite strip.....	261				
Stress-concentration factors in shafts.....	313				
Stress concentrations in a strip under tension and containing two pairs of semi-circular notches placed on the edges symmetrically.....	565				
Stress-strain relations and vibrations of a granular medium.....	585				
Stresses and displacements in an elastic-plastic wedge.....98, (D)	631				
Stresses in a perforated strip.....	365				
Stresses in aircraft and shell structures (BR).....	490				
Stresses in beams during transverse impact.....	440				
The sector problem.....	574				
Theoretical criterion for the fracture of metals under combined alternating stresses.....77, (D)	640				
Theory of adhesive scarf joints.....255, (D)	644				
Theory of yield point and transition temperature of mild steel (D).....	155				
Yield loads of slabs with reinforced cut-outs.....85, (D)	634				
STRINGS. See VIBRATION					
STRIPS. See PLATES					
STRUBLE, R. A.					
Ideal reducers and nozzle flares.....	137				
STRUCTURES. See also AIRPLANES, BEAMS, SHELLS					
Aeroelasticity (BR).....	326				
Analysis of structures (BR).....	647				
Beams of uniform strength subjected to uniformly distributed loading.....	105				
Design charts for symmetrical ring girders.....	144				
Mathematical analysis of bow girders of any shape (D).....	489				
Negative group velocities in continuous structures.....	622				
On effect of boundary and loading conditions in the limit analysis of plastic structures.....	314				
Plastic method of structural analysis (BR).....	648				
Response of mechanical systems to random excitation.....	248				
Symmetrical buckling of a series of uniformly loaded parallel struts supported by spot connections to a long thin plate.....	531				
Yield loads of slabs with reinforced cut-outs.....85, (D)	634				
STRUTS. See STRUCTURES					
STUDERUS, C. J.					
Vibration modes of stators of induction motors (D).....	633				
SUCTION. See FLOW OF FLUIDS					
SUPERSONIC FLOW. See also COMPRESSORS					
Theory for base pressures in transonic and supersonic flow (D).....	484				
SUTTON, G. W.					
Photoelastic study of strain waves caused by cavitation.....	340				
SYMONDS, P. S.					
Analysis of structures (BR).....	647				
T					
TAMATE, ORAMU					
Effect of a circular hole on the pure twist of an infinite strip.....	115				
THERMAL STRESSES					
Axisymmetric thermal stresses in a spherical shell of arbitrary thickness.....	376				
Buckling of thin cylindrical shell under hoop stresses varying in axial direction.....	405				
Dynamic response of beams and plates to rapid heating.....	413				
Elastoplastic thermal-stress analysis of a free-plate (D).....	162				
Photothermoelasticity: an exploratory study.....	353				
Thermal stress and deformation.....	467				
Thermal stresses in infinite elastic disks (D).....	487				
THERMODYNAMICS					
The state principle—some general aspects of the relationships among the properties of systems.....29, (D)	625				
Thermodynamics and statistical mechanics (BR).....	647, 654				
THOMPSON, J. S.					
Some new data on high-speed impact phenomena.....	65				
THOMSEN, E. G.					
New method for the construction of Hencky-Prandtl nets.....	81				
THOMSEN, J. S.					
The state principle—some general aspects of relationships among properties of systems (D).....	627				
THOMSON, W. T.					
Analog computer for nonlinear system with hysteresis.....	245				
Response of mechanical systems to random excitation.....	248				
TIMOSHENKO, STEPHEN P.					
Timoshenko Medal Award established by ASME.....	493				
TING, L.					
On radial deflections of a cylinder subjected to equal and opposite concentrated radial loads.....	278				
TORSION					
Buckling of initially imperfect cylindrical shells subject to torsion.....125, (D)	632				
Note on torsion of circular shafts of variable diameter.....	477				
TRAILERS. See MOTOR VEHICLES					
TREFFERTH, LLOYD					
Momentum transfer in fluids (BR).....	654				
TRIBUS, MYRON					
The state principle—some general aspects of relationships among properties of systems (D).....	627				
TRUMPLER, P. R.					
Some dynamic properties of oil-film journal bearings with reference to the unbalance vibration of rotors (D).....	158				
TE, YIH-O					
On the antisymmetric vibrations of a beam carrying a distributed added mass.....	312				
TUBES					
Creep of thick tubes under internal pressure.....	464				
TURBOMACHINERY					
Principles of turbomachinery (BR).....	327				
TURBULENCE. See FLOW OF FLUIDS					
V					
VAN VALKENBURG, M. E.					
Some new data on high-speed impact phenomena.....	65				
VASARHELYI, D. D.					
Yield loads of slabs with reinforced cut-outs (D).....	634				
VIBRATION. See also WAVE MECHANICS					
Dependence of the frequency spectrum of a circular disk on Poisson's ratio.....53, (D)	641				
Dynamic response of beams and plates to rapid heating.....	413				
Effect of spring mass on contact-accelerometer responses (D).....	321				
Elongating string under the action of a transverse force.....	609				
Forced lateral oscillations of trailers.....	515				
Forced vibration of a body on an elastic stratum.....	55				
Forced vibration of systems with nonlinear, nonsymmetrical characteristics.....	435				
Fundamentals of vibration analysis (BR).....	490				
Graphical solution of single-degree-of-freedom vibration problem with arbitrary damping and restoring forces.....	311				
Improvement of the Holzer table based on a suggestion of Rayleigh's.....	228				
Longitudinal impact of a semi-infinite circular elastic bar.....59, (D)	635				
Mechanical vibrations (BR).....	326				
Nodal patterns of the free flexural vibrations of stiffened plates.....	526				
On the antisymmetric vibrations of a beam carrying a distributed added mass.....	312				
On the theory of the acceleration damper (D).....	322				
Practical solutions of torsional vibration problems (BR).....	653				
Response of beams and plates to random loads.....	46				
Response of mechanical systems to random excitation.....	248				
Some dynamic properties of oil-film journal bearings with reference to the unbalance vibration of rotors (D).....	158				
Some effects of vortex formation in the wake of a suspended cylindrical cable (D).....	485				
Specific damping energy of fixed-fixed beam specimens.....	426				
Stress-strain relations and vibrations of a granular medium.....	585				
Structural damping of a simple built-up beam with riveted joints in bending.....	35				
Superharmonic oscillations as solutions to Duffing's equation as solved by an electronic differential analyzer.....	520				

VIBRATION (continued)

- Type of flame-excited oscillation in a tube 333
 Vibration modes of stators of induction motors 39, (D) 633
 Vibrations of cylindrical shells with rotatory inertia and shear (D) 162
 VIBRATION MOUNTINGS
 Effect of elastic racks on vibration mounting of equipment 617
 VISCOMETERS
 Corrections for the oscillating-disk viscometer 197, (D) 643
 VISCOSITY. *See* ELASTICITY
 VOLTERRA, ENRICO
 Mathematical analysis of bow girders of any shape (D) 489
 VORTEX CHAMBERS. *See* DUST SEPARATORS

W

- WADSWORTH, N. J.
 Propagation of fatigue cracks (D) 161
 WAHL, A. M.
 Analysis of creep in rotating disks based on the Tresca criterion and associated flow rule (AC) 155
 Stress distributions in rotating disks subjected to creep at elevated temperature 299
 WANG, H. E.
 Corrections for the oscillating-disk viscometer 197, (D) 643
 WARBURTON, G. B.
 Forced vibration of a body on an elastic stratum 55
 On the theory of the acceleration damper (D) 322
 WARNER, P. C.
 Some dynamic properties of oil-film journal bearings with reference to the unbalance vibration of rotors (D) 158

WAVE MECHANICS

- Influence of width on velocities of long waves in plates 541
 Negative group velocities in continuous structures 622
 Propagation of compressional waves in a dispersive elastic rod
 Part I—Results from the theory 231
 Part II—Experimental results and comparison with theory 240
 Reflection of dilatational waves at the edge of a plate 219
 Response of nonlinearly supported boundaries to shock waves 501
 Stress-strain relations and vibrations of a granular medium 585
 Study of the propagation of flexural waves in elastic beams 431
 WEBER, H. E.
 Head loss in flow through a cyclone dust separator or vortex chamber 16, (D) 643
 WEINER, JEROME
 Elastoplastic thermal-stress analysis of a free-plate (AC) 162
 WEINIG, F. S.
 New approach to the theory of thin, slightly cambered profiles 177
 WEINSTEIN, A. S.
 Momentum diffusion from a slot jet into a moving secondary (AC) 322
 WEIR, C. D.
 Creep of thick tubes under internal pressure 464
 WELANETS, L. F.
 Suction device using air under pressure (AC) 158
 WILLIAMS, M. L.
 On the stress distribution at the base of a stationary crack 109
 WILLIS, D. G.
 Elastic coefficients of the theory of consolidation 594

WISEMAN, C. D.

- Effect of stress on creep at high temperatures 207, (D) 644
 WOOLARD, HENRY W.
 Theoretical analysis of the viscous flow in a narrowly spaced radial diffuser 9, (D) 645

Y

- YOKOBORI, TAKEO
 Theoretical criterion for the fracture of metals under combined alternating stresses 77, (D) 640
 YU, YI-YUAN
 Axisymmetrical bending of circular plates under simultaneous action of lateral load, force in the middle plane, and elastic foundation 141
 Rational analysis of heat-exchanger tube-sheet stresses (AC) 318
 YUAN, S. W.
 On radial deflections of a cylinder subjected to equal and opposite concentrated radial loads 278

Z

- ZALD, M.
 Suction device using air under pressure (D) 156
 ZIEFAS, G. A.
 Improved nomogram for the ratios of the octahedral to the maximum shearing stresses (D) 160
 Reduction of three-dimensional stress distributions to two-dimensional analysis by superposition 478